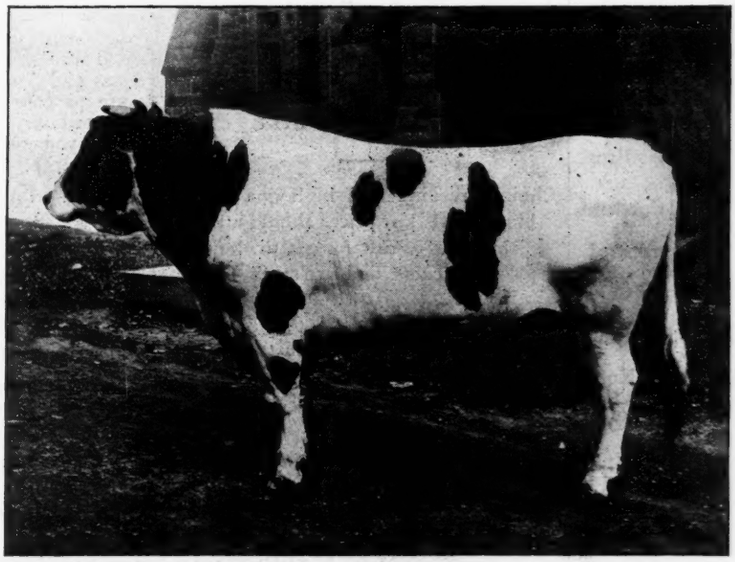
HOLSTEIN-FRIESIAN WORLD

VOL. III. ITHACA, NEW YORK, FEBRUARY 15, 1906. No. 4.



JOHANNA DEKOL SARCASTIC LAD, 28303.
Owned by C. P. Peck, Shelburne, Mass.
See Advertisement.

THE BLOOMINGDALE HERD

Is the Home of over **One Hundred Head of Registered Holstein-Friesian Cattle.**

ANY ONE WISHING TO BUY AN EXTRA QUALITY OF HIGH-CLASS HOLSTEINS OF EITHER SEX

Or any age will be able to select from this herd something that will please him both in quality and price.

A. A. CORTELYOU, NESHANIC, N. J.

Breeders' Directory.

If your subscription is paid in advance, your herd will be published in this directory at $1.00 per year.

CALIFORNIA.

Pierce Land and Stock Co., Riverside Herd, W. C. Hunt, Manager, Stockton, San Joaquin Co.

ILLINOIS.

Lookingglass Herd, August Stocker, Highland, Madison Co.

MASSACHUSETTS.

Edgelake Farm Herd, B. W. Potter & Son, Rutland, Worcester Co.

Highlawn Farm Herd, F. P. Knowles, Auburn, Worcester county.

Woodside Farm Herd, John B. Marcou, Princeton, Worcester county.

MICHIGAN.

Sexton's Herd, W. K. Sexton, Howell, Livingston Co.

MISSOURI.

Grand River Herd, B. L. Bean, Cameron, Clinton county.

Hillcrest Farm Herd, Geo. C. Mosher, Kansas City, Jackson county.

NEW JERSEY.

Bloomingdale Herd, A. A. Cortelyou, Neshanic, Somerset county.

NEW YORK.

Star Farm Herd, Horace L. Bronson, Cortland, Cortland county.

Sunrise Herd, Ralph Corbin, Bainbridge, Chenango county.

Corning Herd, L. H. Corning, Cortland, Cortland county.

Davis Brothers Herd, Davis Bros., Clifford, Oswego Co.

Crown Herd, I. J. Foster, Cortland, Cortland county.

Maple Lawn Herd, Lawrence L. Grow, Ft. Jackson, St. Lawrence county.

Pleasant Valley Stock Farm, C. F. Hunt, Manlius, Onondaga Co.

Lewis's Herd, Harris Lewis, Norwich, Chenango county.

Success Stock Farm, H. Mason Knox, Canton, St. Lawrence county.

Lakeland Herd, Wing R. Smith, Syracuse, Onondaga county.

Pleasant View Farm Herd, J. A. Stanton, New Woodstock, Madison Co.

Brookside-Moyerdale Herd, The Stevens Brothers-Hastings Co., Lacona.

Cloverlands Farm Herd, E. M. West, Reber, Essex Co.

Otselic Stock Farm, Isaac Dalrymple, Otselic, Chenango County.

PENNSYLVANIA.

Springdale Herd, H. M. Lyon & Sons, Wyalusing, Bradford county.

VERMONT.

Cloverdale Farm Herd, J. G. White & Son, Brandon, Rutland County.

VIRGINIA.

Hygeia Farm, Samuel Adams Robinson, M. D., Covesville, Albemarle Co.

DO IT NOW!

Get a young Korndyke bull to follow the sire you have been using. There is nothing better than the Korndykes; look up their records.

We have them, six to ten months old, sired by a son of Belle Korndyke, and out of high class official record cows.

We also offer twenty-five young Holsiein-Friesian cows and heifers, due to freshen in the next three months.

In our herd are—twenty daughters of De Kol 2d's Butter Boy 3d; thirteen daughters of Sir Korndyke Manor De Kol; and we have in service such well known bulls as:—

KAREL BOS (imported), backed by the largest records in Holland.

BERYL WAYNE'S PAUL DE KOL, brother of one World's Champion, and sire of another.

DE KOL 2d's BUTTER BOY 3d, who has more A. R. O. daughters than any other bull of his age.

KORNDYKE BUTTER BOY, who combines as closely as poasible the blood of the great cows, Belle Korndyke, De Kol 2d, and Netherland Hengerveld.

HIGH CLASS CATTLE. REASONABLE PRICES.

Herd established 1876.

HENRY STEVENS & SON,

Brookside Stock Farms. **LACONA, N. Y.**

Holstein-Friesians at Lakeland Farm.

Bull Calves,
Heifer Calves,
Yearling Bulls
Yearling Heifers,
A. R. O. Cows—all ages.

Choice breeding and high quality combined with low prices should attract buyers. Write for particulars or come and see stock.

WING R. SMITH, Syracuse, N. Y.

In writing advertisers mention the WORLD.

FAIRVIEW HERD

can supply you with everything you want in the line of first-class Holsteins. The herd now numbers 80 head, and every female of milking age has an A. R. O. record. We have about twenty daughters of Pontiac Korndyke that are worth coming to see. We also have about 30 young cows and heifers in calf to this great sire that are for sale. Can't you come and look us over before making your purchases? You can't afford to own ordinary stock at the price we will make you on the best. If you can't come, write.

E. H. DOLLAR,
HEUVELTON, N. Y.

If you want to
PUBLISH A PICTURE
send it to the
Ithaca Publishing Co., Ithaca, N. Y.
and have a beautiful half-tone cut made
Prices low. Pictures returned.

PREVENTINE.

The only remedy guaranteed to prevent abortion in cows and scours in young calves. Used with success for years in leading Holstein herds. Unequaled as a disinfectant and germ destroyer. Sold under a positive guarantee by

THE STEVENS BROTHERS-HASTINGS CO.,
(The Holstein Breeders) **Lacona, Oswego Co., N. Y.**

Cloverdale Farm, Brandon, Vt., Aug. 7, 1905.

Dear Sir:—Three years ago we lost three calves of abortion, and sent the next yearand got a gallon of your PREVENTINE and used according to directions, and haven't lost another calf. One of our neighbors lost several last winter. We got some for him. and they haven't lost any more. It is the best fly remedy we ever used. Yours truly, J. G. WHITE & SON.

Holstein-Friesian World.

VOL. III. ITHACA, NEW YORK, FEBRUARY 15, 1906. No. 4.

CONTENTS.

Frontispiece—Johanna De Kol Sarcastic Lad.
Breeders' Directory..... 54
H.-F. Association (Directory)..... 55
Is It a Visionary Scheme?..... 55
Maple Knoll Farm..... 56
Amount of Fat in Milk Effected by the Environment of the Cow..... 57
"I Didn't Like It Because I Hadn't Asked More"..... 57
FIELD NOTES..... 57
STUDY TABLE:
Is the Orthodox Theory of the Milk Form Exploded?..... 57
BREEDERS' BULLETIN BOARD..... 59
NUGGETS 59
EDITORIALS:
Pater Noster..... 60
Thoughts of Professional Men Turn to Holsteins..... 60
New Advertisements..... 60
HOME CIRCLE:
Poem—What Uncle Sol Says..... 61
Selections 62
Conscript of 1813..... 62
Canadian Transfers for November.. 63
Canadian Transfers for December... 63
American Transfers week ending January 20..... 64
Transfers week ending January 27.. 65

HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA.

DIRECTORY.

President,
A. A. CORTELYOU, Neshanic, N. J.
First Vice-President,
W. A. MATTESON, Utica, N. Y.
Second Vice-President,
M. E. MOORE, Cameron, Mo.
Third Vice-President,
R. M. HOTALING, San Francisco, Cal.
Fourth Vice-President,
H. L. BRONSON, Cortland, N. Y.
Treasurer
WING R. SMITH, Syracuse, N. Y.
Secretary,
FREDERICK L. HOUGHTON, Brattleboro, Vt.
Superintendent of Advanced Registry,
MALCOLM H. GARDNER, Delavan, Wis.
Directors,
A. W. BROWN, Unadilla Forks, N. Y.
ELDON F. SMITH, Columbus, O.
W. J. GILLETTE, Rosendale, Wis.
T. A. MITCHELL, Weedsport, N. Y.
W. B. BARNEY, Hampton, Ia.
W. S. CARPENTER, Menominee, Mich.

Fees for Registry.

Members' Fees, Males, $2.00; Females, $1.00; Males over one year of age, $4.00; Females over one year of age, $2.00.

Non-Members' Fees, Males, $4.00; Females, $2.00; Males over one year of age, $8.00; Females over one year of age, $4.00.

Fees for Transfers.

Members' Fees, 25 cents; after six months from date of sale, 50 cents.

Non-Members' Fees, 50 cents; after six months from date of sale, $1.00.

Life Membership, $25.

Advanced Registry and Official Testing **in charge of the Superintendent as above, who will furnish information and blanks.**

Is It a Visionary Scheme?

During the last two years the subject of forming a new American breed of dairy cattle has been agitated in the farmers' club located at Utica, N. Y. The writer has favored this agitation, believing, as he sincerely does, that the formation of such a breed or family of cattle would add millions of dollars to the wealth of our country. These conclusions I have reached after careful study of the subject. Recently I have also come to the conclusion that the opportunity of forming such a breed or family of cattle belongs first and foremost to the Holstein-Friesian Association of America; that it has a moral claim to this work because the foundation stock of the new breed, I am convinced, should be or, indeed, ***must be selected from the mass of grade Holstein cattle in this country.*** At the same time I believe that this work could be undertaken by the Holstein-Friesian Association and carried on to success without serious difficulty. A slight change in its charter and the addition of another department somewhat similar to its department of Advanced Registry would be all the changes necessary in its machinery. These preliminary statements I beg leave to supplement by a few quotations from letters received by me pertinent in this connection.

The following is from a prominent breeder and officer in a public agricultural department of this country:

"I have read with considerable interest your article on the American breed of cattle in the Utica Press. I believe that the time is very opportune to take this matter up. I expect to be in Washington on the 17th, else I shoull try to drop into the meeting of the Central New York Farmers' Club on that day."

The following is from the noted Friesian breeder, K. N. Kuperns, probably the most influential man in the European association of Friesian breeders. He evidently had no knowledge of the agitation for an American breed at the time he wrote it. It simply shows the tendency to produce a higher quality of milk among European breeders. He writes: "In 1897 we commenced weighing and testing the milk of all our milch cows separately every fortnight. In the first milk year, 1897, the average fat per cent. of all the milk of our cows on the farm was 3.15 per cent. Among the 31 cows with full lactation periods in 1897 were 11 cows which produced milk with an average fat per cent. below 3 per cent. I have sold these 11 cows succesively and bred from cows which produce milk with a good per cent. of fat. The results have been that the average fat per cent. of the milk of our herd of cattle has been:

In 1897.....3.15 per cent.
In 1898.....3.28 per cent.
In 1899.....3.39 per cent.
In 1900.....3.465 per cent.
In 1901.....3.475 per cent.
In 1902.....3.445 per cent.
In 1903.....3.503 per cent.
In 1904.....3.52 per cent.

The following is from a reply to a request for information on grade Holstein cows owned by New Jersey Experiment Station. It is from the director of the station:

"In reference to the grade Holsteins whose records are given in the bulletin recently issued by the Department of Agriculture, Dairy Division, I may say in the first place that with one exception these animals were purchased in the neighborhood of the farm—Pearl and Zola from the same man, and they were, if I am correctly informed, half-sisters. I may say further that the Holstein grades in this neighborhood were largely the progeny of bulls that were distributed from the herd of Mr. James Neilson, but as to the individual character of the animals I know nothing. Woodlawn was purchased from Mr. Neilson, but was not bred by him; she came from Sussex county, and I think probably she may have some of the blood of the Roe Holsteins. Blue was bred at the farm, sired by a Guernsey bull; the dam was purchased from a lot that came from the West. I have tried to trace the record of Queen and find that her dam was a grade Shorthorn, and her sire one of the bulls that were derived from Neilson's herd, but do not know the exact breeding.

Pearl, Zola, Blue and Queen would weigh about 1,000 pounds. Woodlawn was a very large cow, and when in good condition would weigh 1,500 pounds.

The color of Pearl, Zola, Woodlawn and Queen is black and white, and in the case of Pearl it is a dirty brown rather than blaick, and all of them showed the Holstein form. Blue was a roan with a blue tinge. They are all owned by the farm at the present time, except Blue and Woodlawn."

From the description of these grades thus given they appear to be nothing more than an ordinary lot, probably in no superior to grade Holsteins that constitute the main part of many of the herds of the central dairy section of the State of New York and of grade Holstein herds in other sections of our country. These New Jersey grades have no doubt been well cared for, and we know that exact records of their products have been kept. They are reported in Bulletin No. 75 of the Department of Agriculture at Washington.

Pearl, milked three years in succession; average product of milk per year, 7,411.8 lbs.; average per cent. of fat per year, 4.24; average total butter fat per year, 314.49 lbs.

Zola, milked three years in succession; average product of milk per year, 6,952.1 lbs.; average per cent. of fat per year, 4.1; average total butter fat per year, 285.25 lbs.

Blue, milked three years in succession; average product of milk per year, 7,136.4 lbs.; average per cent. of fat per year, 4.47; average total butter fat per year, 319.32 lbs.

Woodlawn, milked six years in succession; average product of milk per year, 7,484.8 lbs.; average per cent. of fat per year, 3.97; average total fat per year, 296.8 lbs.

Queen, milked six years in succession; average product of milk per year, 8,422.0 lbs.; average per cent. of fat per year, 4.03; total butter fat per year, 339.47 lbs.

The above records are of four animals out of seven as belonging to New Jersey Station, reported in the Bulletin above referred to. Two other grade Holsteins belonged to the herd. The records of these two are also reported in it.

Victoria, milked two years in succession; average product of milk per year, 8,681.7 lbs.; average per cent. of fat per year, 3.42; average total fat per year, 297.78 lbs.

Luella, milked three years in succession; average product of milk per year, 6,327.6; average per cent. of fat per year, 4.69; average total fat per year, 297.33 lbs.

We find in the five cows selected from the seven a type of cows that is widely demanded to supply milk to the rapidly increasing populations of our cities. The quality of milk is closely around 4 per cent. fat; they have the ordinary structure of purebred Holstein-Friesians, and probably have a like structural character of milk. So far as its globular characteristics are concerned. If so, do they not indicate a rich vein of wealth to this country that should be worked. I think it morally belongs to the Holstein-Friesian Association of America, if this organization will work it. Otherwise, I think t belongs to any organzation that will open it and develop it for the public benefit. Will the Holstein-Friesian Association work this vein? *It is a great opportunity,* greater than the system of alvanced registration that was forced upon the majority of its members in 1885. S. HOXIE.

Maple Knoll Farm.

In the beautiful county of Orange is situated the Maple Knoll Stock Farm, the home of a productive power breeder destined to become prominent in the Holstein-Friesian world. The proprietor of this farm is Howard Seely, a young man, who has those business qualities of thrift, enterprise and keen judgment that win success. Mr. Seely bought his first purebred Holstein four years ago. He has steadily increased his herd until he now has upwards of twenty-five top-notchers.

Mr. Seely grew up with a liking for the black and whites because his father bred fine grades, and thus he learned their business qualities. Like all enterprising young men of today, he was not content to go on breeding grades. When the farm came into his possession he began the breeding of purebred cattle. Maple Knoll Farm is situated on one of the leading State roads of Orange county, intermediate between the capital of the county, Goshen, and the small town of Chester. Both of these towns are on the Erie railroad. It is an ideal situation for a stock farm. The farm consists of 150 acres of the finest grazing land of Orange county. Its productive power was seen in the well-filled barns.

Mr. Seely has been making changes throughout the barns, putting in cement floors, and when I was there was installing the King system of ventilation.

The herd stands in two rows, facing each other, and fastened by a neck strap and snap to a chain attached to a ring that slides up and down on a pole or post that extends from the floor to the ceiling. This method of fastening gives the greatest possible freedom, as was shown when the cows came in for the milking. Windows have been put in every possible place, so that the stable is well lighted.

Mr. Seely tries to have everything go off like clockwork, but the night I was there things were upset a little and it seemed to bother him; but I was mighty well pleased to see work done up so well. Fifteen minutes past four the cows came into the barn, and at 4.30 the milking was begun. As each cow was milked the milk was carried to a milk room adjacent to the cow stable and weighed and recorded on a monthly sheet. When a can was filled it was submerged in a tank of water in the milk room.

One of the first cows to attract my attention was Jemima De Kol of Milford. Jemima is one of the best cows that I have ever seen. One of those milking machines that one likes to look at. A massive udder with tortuous milk veins running well up on the barrel. She had been milking ten months and had averaged better than 50 pounds. Mr. Seely has officially tested her since I was there, and she made the remarkable record of 15.851 lbs. butter fat, 486.2 milk, testing 3.28, ten months after calving, and she was due to calve in two months. She won sweepstakes over all dairy cows at the Orange County Fair.

Dorothy Johanna stood next to Jemima, a beautiful three-year-old that Mr. Seely purchased of H. D. Roe. She is a large three-year-old and one of the best to be found among the black and whites. She filled a shotgun pail to the 29.2-pound mark, and the next morning she gave 29.6. Pretty good for a three-year-old, but then she had a right to do, for her dam, Dorothy Ondine Wayne 3d, has an A. R. O. record of 86.95 lbs. milk in one day, 21.97 butter, 80 per cent. fat, in 7 days, and she was sired by Johanna Aaggie Sarcastic Lad. Her grand-dam has an A. R. O. record at 4 years better than 20 lbs. of butter. Dorothy Johanna has a record as a two-year-old of 12.4 lbs. butter fat, 61.3 milk, and she made for Mr. Seely (see Jan. 1st HOLSTEIN-FRIESIAN WORLD) 14.718 lbs. fat, averaging almost 75 lbs. milk per day. She is a royal blue one, and Mr. Seley makes no mistake in having such in his herd.

Farther down the line was Aaggie Cornucopia Pauline De Kol, a full sister to the world's champion, with a record of 18.53, done under unfavorable circumstances; and by her side stood Brookside De Kol Pauline, a full sister to May Hartog, with an A. R. O. record better than 20 pounds; Pietertje Degode Lady De Kol, A. R. O., 20.7 lbs, a daughter of May Hartog Pauline De Kol 3d. There were cows that showed wonderful capacity, and with such Mr. Seely ought to breed those that we will hear from later.

Mr. Seely conducted his first test soon after I was there and brought out Jemima De Kol of Milford, 8 years, 15.851 lbs. butter fat, 486.2 lbs. milk, 10 months after calving; Aaggie Norondi Clothilde 2d, 5 years, 14.337 lbs. butter fat, 418.3 lbs. milk; Dorothy Johanna, 3 years, 14.718 lbs. butter fat, 321.1 lbs. milk; Kirtle S. 2d's Consolation, 3 years, 10.969 lbs. butter fat, 358.2 lbs. milk (recorded in Jan. 1st issue H.-F. W.). Mr. Seley has made another test and brought out Ina Clothilde 2d, 16.27 lbs. fat, 469.8 lbs. milk, 5 years; Kirtle 2d's Craddock, 8.94 lbs. fat, 270.3 lbs. milk (nearly nine months after calving).

In a recent letter Mr. Seely wrote that

his herd was averaging between 17 and 18 quarts per day, counting everything he put the pail under. Mr. Seely has a business herd as well as one that makes good A. R. O. records.

He has as his premier sire Sir Armyn De Kol Posch ,a son of Alta Posch's Son, and that great cow of Roe's, Armyn Ann 4th, a daughter of De Kol 2d's Paul De Kol. This young fellow is a well put up individual, with very prominent milk veins and rudimentaries an inch long. He is an animal fit to head any herd. His second sire is Senor De Kol, an animal of top breeding, out of one of Mr. Matteson's 18 or 20 lb. cows; I think a full brother to Junior De Kol, owned by Mr. Dollar. We wish Mr. Seely success with his herd.

H. MASON KNOX.

Amount of Fat in Milk Effected by the Environment of the Cow.

Syracuse, N. Y., Feb. 8, 1906.

HOLSTEIN-FRIESIAN WORLD.

I sent a young Holstein-Friesian cow for her first test and the first time she had been separated from the herd in which she was born, eight days after calving, to a neighbor's for an A. R. O. test. Arriving at evening, test began the next morning. Strange surroundings, milkers, feeders, with strange cattle, etc., caused homesickness, and she would eat and drink but little. The first day her average test for fat was 4.733 per cent., highest 4.9 per cent., but her homesickness began to show on the per cent of butter fat. The second day the average was 4.1 per cent.; the third day, 3.666 per cent. The first four days averaged 4.075 per cent., and the week's average was 3.904 per cent., making the first week, under these unfavorable conditions, 18.25 lbs. of 80 per cent. butter, which by no means, in my opinion, denotes the limit of her capacity, but effect of environment and conditions on the per cent. of butter fat are worthy of observation and would denote that if the best results are to be secured cows should be tested under normal conditions with the usual surroundings. If any change is to be made in feed, it should be done some time before the test. Very respectfully,

E. A. POWELL.

"I Didn't Like It Because I Hadn't Asked More."

THE EDITOR.

Dear Sir:—I wish to congratulate you upon the continued improvement of the HOLSTEIN-FRIESIAN WORLD.

"The Study Table" is very interesting, and I hope Mr. Hoxie will soon continue his article on selection of dairy cattle. His description of the escutcheon was the first comprehensive statement that some of your readers, including myself, had read.

Anent Holstein beef, so few registered animals are killed until they become aged that we have few chances to judge of their beef-making qualities under favorable circumstances. A registered cow I owned had her last calf, when five years old, in June, '03, after which she failed to get with calf. She was "dried up" in April, '05, and turned to grass. In December I received $45 for her for beef. It was all I asked, and, of course, like the Scotchman, I didn't like it because I hadn't asked more. I afterwards learned she weighed 1,450 pounds. She had no grain after she was "dried up."

Sincerely yours,

TREMAINE WARD.

Field Notes.

If you write for bulletins to experiment stations outside of your own State, enclose a postage stamp.

Milk brings 16 cents per quart and butter 80 cents per pound in Guatemala, Central America.

On Jan. 15th the dairy barns owned by John C. Godfrey, Pennellville, N. Y., together with horses, stock, hay and farming utensils, were burned.

On Feb. 15th the large farm house upon the farm owned by W. A. Matteson, near Utica, was burned. About two years ago the barns upon this same farm were destroyed by fire.

Dairymen's conventions of three States—Ohio, Wisconsin and Pennsylvania—have passed resolutions asking for the creation of a Bureau of Dairy Industries, which is now but a minor division in the Bureau of Animal Industry.

Postmaster-General Cortelyou has recommended to congress the consolidating of the third and fourth class mail matter with the present third class rate of one cent for two ounces. If adopted this will be a short step in the right direction.

Above is copy for our next advt., which we trust will be in time for the June number of your valued paper. Our full-page advertisement in the WORLD brought us purchasers, including one from Canada; and last evening we received a check from a Western party for one of the bulls mentioned in that advertisement. We consider the WORLD a a good paper in which to keep before the Holstein public; and can assure you that we are pleased to mention our appreciation of its value in this respect, though you have never solicited our recommendation.

Allow us to take this occasion to state that we have purchased several carloads of bran, in connection with the firm of Henry Stevens & Son, from the Listman Mill Co., of whom we first learned through their advertisement in the WORLD, and we find their goods to be of the highest quality.

THE STEVENS BROTHERS-HASTINGS CO.

The Study Table.

Is the Orthodox Theory of the Milk Form Exploded?

Professor C. D. Smith, who for many years has been prominent in advancing the dairy interests of the State of Michigan, first in charge of the dairy department of its Agricultural College, and now as director of its experimental station and leader in the institute work of that State, has fairly exploded the theory of a special structural form for dairy stock, in an article that appears in THE HOLSTEIN-FRIESIAN REGISTER.

After giving a table of measurements and weights of five animals of the Angus and Shorthorn breeds and six of the Holstein breed that are under his constant observation at the station, he says:

"The beef animals have been bred since the days of the Colling brothers to have the back straight, while in dairy cows little attention has been paid to this matter, yet in many Holsteins we find the back as straight as a gun barrel and without the elevation of the pelvic bones. I cannot, therefore, find a material difference in the spinal columns of beef and dairy animals at all related to their respective functions, nor do the figures given in the last table" [table of measurements and weights above mentioned] "confirmed by hosts of similar measurements elsewhere, justify an expectation of difference in this part of the anatomy."

"Turning to the appendages of the spinal column we have to consider first the ribs. We look for a level back on a mature animal of a beef breed, with ribs springing horizontally from the backbone. In the dairy cow, on the other hand, we expect, as a matter of habit, a flatter side, a back rather sharp than flat and with ribs not so well sprung. My observation goes to show that this matter has been *greatly* exaggerated in the dairy press. The dairy cow needs as great lung capacity as the beef animal. With the greater diges tion must go greater oxidation of waste material and digested food products generally. The chest must therefore be deep and broad. Besides, of her immense stomachs a large fraction lies against the diaphragm *well forward between the ribs.* The lungs and stomach and contents must press outward on the ribs and demand *as wide space* as in the beef steer. Nor are the ribs wider apart nor less oblique in the average dairy cow than in the beef animal.

"In the bones of the pelvis I am finding so great a difference in individual animals that I can hardly draw any general conclusion of value. In certain of the families of the Holsteins the hips are almost level, with the thurl

Continued on page 60.

ELMCO FEEDS

HIGHEST QUALITY

SOLD DIRECT

Weekly Price List

Based upon Boston through Freight Rate, we quote in carload lots only, delivered nearest railroad station where there is an agent.

Packed in 200 lb. sacks.

"ELMCO" Bran	per ton	$20.90
"ELMCO" Standard Middlings	"	21.40
"ELMCO" White Middlings	"	24.40
"ELMCO" Mixed Feed	"	21.90
"ELMCO" Red Dog, in 140 lb. sacks	"	25 90

50 cents per ton higher if packed in 100 lb. sacks.

TERMS—Net cash. Draft payable on arrival car at destination. Satisfactory evidence of responsibility must accompany each order.

Quotation for carlots only and is subject to change without notice. In writing or wiring about this quotation be certain to give both number and date of same.

No. 1193 Date February 12, 1906

WRITE OR WIRE TO

LISTMAN MILL CO.,

LA CROSSE, WIS.

DIRECT DEALING DEPENDS FOR SUCCESS UPON HONEST GOODS AND METHODS

RESPONSIBLE GUARANTEES CHEMICAL ANALYSES SUPPORT OUR BRANDS OF PURE FEED

Breeders' Bulletin Board.

A letter from Samuel A. Robinson, M. D., of Covesville, Va., contains the following: "I feel like a pioneer on a lonely frontier, but I know that I am right and am determined to win." Mr. Robinson recently purchased ten head of Holsteins from H. L. Bronson, and fourteen head from Stevens Bros.-Hastings Company as a foundation for his "Hygeia Farm."

Mr. H. D. Seely of Chester, N. Y., whose ad., "For Sale—Holstein Friesian bull calves," appears in another column, writes that two of these bull calves are sired by his great bull, Senior De Kol, No. 30829, the A .R. O. records of whose dam and sire's dam average over 25 lbs. butter in 7 days.

The dam of one is Kirtle S. 2d's Cradock, whose great two-year-old record received special mention by Superintendent Gardner in last report of A. R. O. cows, published in the HOLSTEIN-FRIESIAN WORLD. The dam of another one has an A. R. O. record of over 21 lbs.; another one has a record of 17.19 lbs. butter in 7 days.

EDITOR OF H.-F. WORLD:

I have just had a new arrival, a heifer calf, the first get of my service bull. It is a fine individual, but peculiarly marked, viz: on the left side of the neck are the letters T W, and under them are the letters V K very plain and distinct. On the left forearm is the figure 4 made in black dots. The calf is mostly white, with small black spots, and is out of a daughter of De Kol 2d's Paul De Kol. If present indications count for anything, some day she is going to have an immense udder. Her mother was a 90-lb. cow, and her sire is a son of Beryl Wayne's Paul De Kol, and out of a 21.201-lb. cow, 84.55 lbs. of milk in a day. I prize her very highly.

Respectfully,

W. L. KEYES.

Walter M. Lea, P. E. I., writes the H.-F. WORLD:

Enclosed find payment for two subscriptions to your paper. I breed black and whites, and sold a calf recently to the other fellow, and am sending him the WORLD, so he will catch on to what a good thing he has done for himself and the country.

Since 1900 Holsteins have been making great strides on the Island. At that time there were no purebreds shown at our fair, and only a few poor grades. Last year we had between seventy and eighty purebreds and grades, making the strongest showing of any breed. Sweepstakes for best dairy cow of any breed was won by a purebred Holstein.

Last year I persuaded our association to give us a grant for special prizes. On my own farm we are weighing and keeping a record of milk given by each cow. One of my two-year-old heifers in 186 days has given 5,906 lbs. of milk. A purebred Holstein owned by a neighbor from the 23d of March to the end of the year gave nearly 10,000 pounds, never testing below 3.4 per cent. fat. She will give 2,000 pounds more by the end of the year.

These weigh tests are doing much good in this country, where little is known of breed characteristics. There is a great demand for young stock now since the whole Island is organized into institutes and the government helps to purchase sires.

Stockton, Cal., Jan. 24, 1906.

EDITOR H.-F. WORLD:

Yes, I believe our interests are mutual, as quoted by The Stevens Brothers-Hastings Co. in your issue of Jan. 15, 1906. Other than this I have very little to say except that if they had our Juliana De Kol, who at her first time, fresh as a two-year-old, made 22 lbs. 9 oz. butter in 7 days, 92 lbs. 7 oz. in 30 days and 283 lbs. 12 oz. in 100 consecutive days, A. R. O., to head their list of two-year-old heifers, what a list it would be!

In looking over their three-year-olds I notice that Maid Mutual De Kol is their champion, and in looking up her breeding I find that she is an own daughter of one of Riverside's great cows.

Just another word, then I am done. Of the 20 great two and three year old heifers listed in the article above referred to, written by the S. B.-H. Co., all but three were recently owned and sold to this company by the undersigned as was also the largest record cow ever owned by The Stevens Co.

Very truly yours,

W. C. HUNT.

HOLSTEIN-FRIESIAN WORLD.

His dam, dams of sire, gr. sire, gr. gr. sire, gr. gr. gr. sire and gr. gr. gr. gr. sire have seven-day butter records which average over 25 lbs., all A. R. O. records but that of Pauline Paul. De Kol 2d appears seven times in his pedigree. His gr. dam is Paul De Kol, from Aaggie Wayne 3d, and has about forty A. R. O. sisters. This pedigree fully extended contains thirty dams whose butter records for seven days average over 24 lbs.

He traces to such noted foundation stock as Netherland Alban, Netherland Prince, Aaggie, Aaggie 2d, Princess of Wayne, Aaggie Constance, Koningen Von Friesland 5th, besides embracing many of the great families of the later generations. Such a pedigree is especially valuable in a sire, for the get of a bull of such strong breeding is quite sure to possess the qualities of some line of ancestors, and with such a pedigree superiority in the offspring is assured; whatever ancestor is reproduced.

It is much safer to use a sire with rich blood and consistent performers in every line for many generations, rather than one that springs from one or two accidental phenomenal performers; at least such are my views regarding breeding. Very truly yours,

E. A. POWELL.

EDITOR THE HOLSTEIN-FRIESIAN WORLD:

Among recent sales of registered Holsteins from Star Farm I would mention one to C. A. Fisher of Spencer, N. Y., of six very choicely bred young cows in calf to my Count and Mercedes bulls. Mr. Fisher writes me that these heifers have freshened and are making remarkable records.

Another sale was to Frank Fellows of Columbia county, N. Y., a richly bred heifer, Ramona Ruth; and to Mr. William Stevens the registered cow, Focie De Kol. One of these consignments was to Mr. N. Houlihan, Waterford, N. Y., the two richly bred cows, De Kol Carlotta Pietertje and Prince Netherland Gold King. To Mr. Frank Sellen of Cayuga county, N. Y., I shipped the registered heifer, Abbekerk Posch Snowflake, and the bull, Hengerveld De Kol Butter Boy. To Mr. Jerome Irish, Erie county, N. Y., I shipped the bull, Prince Netherland Pietertje Soldene, No. 33,637; and to N. M. Compton of Elmira the bull Endire De Kol Posch, No. 36,173. To Mr. John A. Osborne of Connecticut I shipped the bull, Prince Ononis Francine, No. 33796, and two very choicely bred registered cows; and to Mr. F. M. Turner of Pittsburg, Pa., I shipped the registered cow, Anna Terry Clothilde De Kol, No. 69342; to Mr. H. H. Evans I shipped two very choicely bred registered H.-F. heifers and a richly bred registered H.-F. bull; and to Coral Miner I shipped the cow De Kol Andire Paula.

Actual sales from Star Farm herd for the month of December amount to $8,000.

HORACE L. BRONSON,
Cortland, N. Y.

EDITOR THE H.-F. WORLD:

One of the most important of our recent sales is that of the young bull, Sir Ormsby Alban, to Mr. A. L. Draper, Troy, N. Y. Sir Ormsby Alban was born February 28, 1904. He is individually a very desirable animal, and in breeding is also among the best. He was sired by Duchess Ormsby Butter King, while his dam, Aaggie Topsy De Kol, is one of the leading members of Brookside herd. She made an official record at 21 months old of over 14 lbs. butter in 7 days; at 3 years old she made another official record of over 22 lbs. butter in 7 days, and during the same test produced in 30 days 2,060.8 lbs. milk and made 89 3-8 lbs. butter; as a 4-year-old she made another official record of 574.8 lbs. milk, 24.63 lbs. butter in seven days, and in 30 days produced 2,288.7 lbs. milk, 98.33 lbs. butter. During this test she gave nearly 90 lbs. milk in one day, and it will be observed that her average production for the 30 days was over 76 lbs. milk a day. Her daughter, Aaggie Topsy De Kol 2d, at 2 years old, produced a little over 13 lbs. butter in 7 days, and at 3 years old she made an

Continued on page 61.

NUGGETS.

Graft—drawing a salary from the skinned for doing the skinning.

To impress the ignorant, talk in language they don't understand of something you don't believe.—*Kidder.*

Of course Lawson was flim-flamming, though by an odd coincidence the insurance companies have corroborated his testimony.

The Chicago meat packers plead that they should not be prosecuted because they were forced to give evidence that incriminated themselves.

Without the Rockefellers we could have no oil; without the Morgans no steel, and without the Havemeyers no sugar. How fortunate we are!

A man like Chauncey Depew, a director in seventy-nine different corporations, ought to make a valuable U. S. Senator. He is in a position to give the Government some valuable tips, you know.

HOLSTEIN-FRIESIAN WORLD

A Journal for the Holstein Breeder, the Dairyman, and the General Farmer.

Entered at the Ithaca (N. Y.) postoffice as second class mail matter.

Issued the 1st and 15th of every month.

C. G. BROWN, Editor and Publisher

ITHACA, N. Y.

DEPARTMENT OF ANIMAL HUSBANDRY.

PROF. H. H. WING.....Cornell University

THE STUDY TABLE.

SOLOMON HOXIE.....Ithaca, N. Y.

INFECTIOUS DISEASES OF CATTLE.

VERANUS A. MOORE..Cornell Vet. College

STAFF OF REGULAR CONTRIBUTORS.

EUGENE M. HASTINGS.....Lacona, N. Y.
H. MASON KNOX.....Canton, N. Y.
DR. TREMAINE WARD.....Napanee, Ont.
IRVIN NOWLAN.....Toulon, Ill.

DAIRY INDUSTRY.

HERBERT A. HOPPER....Univ. of Illinois

Subscription price One Dollar per year in advance. Three years to one subscriber for $2.00 in advance; five years for $3.00 in advance.

The date on the yellow mailing tag attached to the wrapper of each paper indicates the time to which subscription is paid.

We do not stop papers without being notified to do so.

Advertising rates sent on application.

Illustrations when furnished, will be inserted free of charge. Cuts procured at cost when desired.

Remittances should be made by draft, postoffice or express money orders. Money orders and drafts should be made payable to

C. G. BROWN.

Office of publication, 130 Hazen street, Ithaca, N. Y.

All matter for publication must reach the editor by the 8th and 24th of the month to insure appearance in current issue.

Members of the Faculties of all Agricultural Colleges, and Experiment Stations; all subscribers, and anyone having anything of interest to the readers of this journal are invited to contribute to its columns.

Special Offers. The HOLSTEIN-FRIESIAN WORLD to one subscribers one year on trial for 50 cents in advance. Old subscribers may renew as follows:

One renewal and one new subscription $1.00 in advance.

One renewal and two new subscriptions $1.30 in advance.

One renewal and three new subscriptions $1.50 in advance.

Thus for three new subscriptions one renewal is given free.

These special offers are made for the express purpose of extending the circulation of this paper. To all subscribers who for any reason cannot assist in this campaign, we wil say that there is a standing offer at the head of this column of three years to one subscriber for $2.00 in advance; five years for $3.00 in advance. Breeders' Directory, $1.00.

Pater Noster. Our Rockefeller who art in Pocantico Hills, hallowed be thy graft. Thy millions come. Thy will be done in Congress as in Wall Street. Give us this day our allowance of oil. And contribute to the Chicago University in proportion as we contribute to thee. And lead us not into politics, but deliver us from socialism; for thine is the oil, and the graft, and whatever else remains, forever. Amen.

Thoughts of Professional Men Turn to Holsteins. It may not be generally known that J. H. Comstock, professor of entomology, one of Cornell's best known and most genial men, is also quite extensively interested in the breeding of Holsteins; but down in Cattaraugus county, about forty miles from the city of Buffalo, the professor owns a farm of three hundred acres, on which he is growing a purebred herd of black and whites.

This herd now contains thirty-five females, including a daughter, five granddaughters and seven great grand-daughters of Netherland Hengerveld, one of the most famous cows of the breed. At the head of this herl stands a grandson of the above named great cow and a son of Tyrania Pauline De Kol.

Professor Wait, a heavy-weight professor of Cornell, is also laying the foundation of a Holstein herd. He has purchased a farm just outside the city limits and has secured a descendant of Aaggie Cornucopia Pauline to head his herd. This farm is to be run as a "feeder" for his Cascadilla school enterprise.

In the February 1st issue of the H.-F. WORLD we made a brief mention of "Hygeia Farm" at Covesville, Virginia, recently established by Samuel A. Robinson, a retired physician from the metropolis. As the name of this farm implies, it is a stock farm, and the cattle are Holsteins.

So many lawyers are engaged in breeding Holsteins as to almost establish this occupation as a coördinate of the law profession.

It would seem from the foregoing facts that the thoughts of the professional man when seeking relaxation or, indeed, pecuniary profit, naturally turn to Holsteins.

Animal Husbandry.

Questions pertaining to breeding, feeding, testing and care of live stock and kindred topics answered by Prof. H. H. Wing of Cornell University. All questions for this department should be sent direct to Prof. H. H. Wing, Ithaca, N. Y. "Ask and ye shall receive."

New Advertisements.

Look up the bull advertised by W. L. Keyes. He's an exceptionally good one.

High class stock always for sale at Brill farm, Lord Netherland De Kol, sire of 42 A. R. O. daughters, at the head of the herd.

For valuable book, "Modern Silage Methods," absolutely free, write to the Silver Manufacturing Co., Salem, Ohio. See advertisement in this paper.

To avoid inbreeding, C. P. Peck offers Johanna De Kol's Sarcastic Lad, a son of the St. Louis champion. Here's the chance you've been waiting for.

H. D. Seely offers bull calves from cows with records ranging from 17.19 to 21 lbs. in seven days, and sired by a bull whose dam and sire's dam average 25 lbs. A. R. O.

Choice young A .R. O. cows bred to Homestead Girl De Kol's Sarcastic Lad or Woodcrest Pietje (imported), and young things sired by these bulls at Woodcrest Farm.

The Excelsior Swing Stanchion will be much in evidence at the National Dairy Show. A new ad. in this issue. Will be sent on trial, and may be returned at the manufacturer's expense if not satisfactory.

The Listman Mill Company sell their mill feeds direct to the consumer. They are sold on chemical analysis with absolute guarantee. They are giving perfect satisfaction. Why not profit by patronizing this company.

The ad of the Pierce Land and Stock Co., of Stockton, Cal., came too late to be mentioned in this column last issue. You will find it at the bottom of the next to the last page. You will know it by the big "400."

If you are not engaged in the chicken business extensively, yet would like an inexpensive incubator and brooder, why not write to the Metal Mothers Company, Salem, N. Y., for descriptive catalogues. Advertisement in this issue.

Lawrence L. Grow offers a bull, ready for service, whose five nearest dams average 24 lbs. of butter in seven days with an average butter fat test of 4.1 per cent. If you are looking for high testers, why not investigate this.

Study Table.

Concluded from page 57.

bones as high as the points of the hips. In others the rumps slope. On an average the hips are not as level as in the beef animal. . . . If the great and significant differences between the dairy and beef form do not lie in the skeleton, the question naturally arises as to where they manifest themselves. I do not expect universal agreement with me in the following propositions, but I believe them to be true.

"First, the dairy form differs from the beef in being wedge shaped, that wedge shape being due to the *larger* digestion and the presence of the *developed udder.*

"Second, the thinner neck, the sharper and serrate back, the lesser apparent spring of the rib, the apparently nar-

rower and shallower chest, the sharp chine and emaciated crops are matters of condition, *not of necessary differences in fundamental structure.*

"Third, the dairy form need not appear in females until the birth of the first calf.

"When I came to Michigan in 1893, Belle Sarcastic had just passed her third birthday. In her two-year-old form she was simply a square block, weighing 1,200 pounds. Her neck was short and thick, her shoulders broad, her crops full, so much so that I laid my straw hat on the tops of her shoulders and it touched nearly the whole length. She was as round as an apple, loin broad and well covered, and finally the points of the pin bones provided with with a nice little pad of fat each that would have pleased her owner had she been a Hereford. As I made my first official visit and inspection I told the herdsman, Richard Harrison, the best cow feeder in America, that there was one heifer that should go to the block. His mind was *less clouded* by theory than mine, and he pleaded for her life for another year. I let he rlive. In her very next period of lactation, bringing forth her second calf in April, 1894, when she was three months over four years old, she gave in the seventy weeks following April 25th of that year 27,626 pounds of milk containing 827.22 pounds of fat, o- an average, for the whole year and almost a half, of pretty close to 14 pounds of butter a week.

"You should have seen her form change. As her udder developed, her neck grew apparently longer and really thinner, her mutton shoulders drooped until a cross-section of her crops would have been an isosceles triangle with an altitude of eight inches and a base of six. In fact, it has never been my lot to see a cow with a sharper spine and a more ideal construction of the parts over shoulder and crops. Her belly had become even larger, her udder hung low and her general form was distinctly wedge-shaped, her ribs seemed more open and her skeleton more loose jointed generally. From a beef animal she developed into an ideal dairy cow. *Later,* when she went dry for a couple of years, *she was again beefy in form.*"

We have taken the liberty of italicising a few words in these extracts from Professor Smith's article. He goes on to show from experiments with "two fat, square and beefy Shorthorns" that the converse is true, or, in other words, that animals inheriting beef producing proclivities assume the dairy form under the influence of a disease that removes the surplus flesh and fat from their bodies.

The whole article ought to be published in a bulletin for free distribution. We hope such a bulletin will be issued by the Michigan station that will also contain the views of Director Smith on selection of dairy cattle. H.

Breeders' Bulletin Board.

Concluded from page 59.

official record of 452½ lbs. milk, 18.47 lbs. butter in 7 days. The dam of Aaggie Topsy De Kol is also the dam of Aaggie Grace's Boy's Topsy, with an official record of 17¼ lbs. butter in 7 days, and she is also the dam of Clothilde Artis Topsy, with an official record of 23¼ lbs. butter in 7 days. Aaggie Topsy De Kol is thus one of three sisters having official records averaging over 21 lbs. each. She was sired by Pietertje Alban De Kol, whose daughters are making large official records, one of them being our Winana Pietertje De Kol, with an official record at 4 years old of 25½ lbs. butter in 7 days.

Duchess Ormsby Butter King, sire of the bull purchased by Mr. Draper, is too well known to require special mention in this letter. Only one of his daughters has yet come in milk, and she has recently made for us, before 2 years old, an official record of nearly 15 lbs. butter in 7 days. It will be remembered that he was sired by a son of De Kol Burke, while his dam is Duchess Ormsby, with an official record of over 24¼ lbs., her milk for the w.ek averaging 5.44 per cent. fat. This noted cow has three A. R. O. daughters with official 7-day butter records averaging almost 21¾ lbs. each, and through her daughters she has produced four greater granddaughters than any other cow, their average production being 21½ lbs. each, and their average per cent. of fat 4.39. This includes the record of one at two years old.

Mr.. Draper. purchased. some fine young cows of us a year ago. His farm is located at Ballston lake ,and is finely situated for maintaining a high class herd, which is now well established there. Mr. Draper's aim is to keep and breed a class of cattle that will be profitable from the dairyman's standpoint, as the milk production is a matter of considerable importance to him, and his experience thus far seems to have confirmed his opinion that high breeding and large producing ability usually go together.

It s seldom that we have occasion to part with as valuable an animal as Mr. Draper has secured in his recent purchase, and we shall be greatly disappointed if this young bull does not develop into a sire of more than ordinary excellence.

Very truly yours,
THE STEVENS BROS.-HASTINGS CO.
Lacona, N. Y., Jan. 30, 1906.

A school teacher was trying to impress upon a scholar's mind that Columbus discovered America in 1492. "Now, John," he said, "I will tell you the date in rhyme, so that you won't forget it. 'In fourteen hundred and ninety-two Columbus sailed the ocean blue.' Now, can you remember that, John?"

"Yes," replied John.

Next day the teacher said, "John, when did Columbus discover America?"

"In fourteen hundred and ninety-three Columbus sailed the dark-blue sea."

Home Circle.

What Uncle Sol Says.

Old Uncle Sol he sez, sez he,
"Don't argy if you can't agree.

"Fer my part, I don't give a cent
Fer any kind o' argyment.

"If what a feller sez ain't so
It's jest as well to let it go.

"It only makes the matter wuss
Ter git het up and start a fuss.

"A tonguy fool kin talk all day,
No matter what the wise kin say.

"You match your lung agin his lung;
It's jor an' jor an' tongue an' tongue.

"The brains you've got don't count a bit
With fellers that is lackin' wit.

"If Billy's stock of sense is slim,
Don't even up yourself with him.

"If Sam ain't right, I hain't no doubt
In course o' time he'll find it out.

"I don't feel called upon ter fight
My feller man ter set him right.

"Jest state your views an' shet your head,
It's soonest mended least that's said.

"That's jest hoss sense, it seems to me,
Don't argy if ye can't agree.

"But if you reckon that ain't so;
Why, I'm content ter let it go."
—Chicago News.

Selections.

Tell the believer in two substances that all living organisms, from the lichen up to man, are composed mainly of one sort of matter, which in all cases, even in that at the extremity of the scale, is identical in chemical composition, and your hearer may only be interested and surprised. Tell him that every vital action, from the vibration of scillia up to the contemplation of a saint, is accompanied by and finds an equivalent expression in a definite waste of material tissue, discomfort and suspicion will be the result. Tell him that all species and all generations of the animal and vegetable world have been produced under discoverable laws, by gradual modification of one original and everywhere identical protoplasm, his face will flush with indignation, and anathemas will rise to his lips.—J. Alonson Picton.

Conscript of 1813.

A CONTINUED STORY.

Translated from the French by the editor of the H.-F. World.

I was soon upon the square in the midst of the Italians and a crowd of people who accompanied their sons, clamoring and weeping, but I saw nothing—I heard nothing.

When the rolling of the drums commenced again I looked around and saw that I was between Klipfel and Furst, both with knapsacks upon their backs; their parents, before us upon the square, were weeping as at a funeral. To the right, near the city hotel, Captain Vidal, mounted upon a little gray mare, was conversing with two infantry officers. As the sergeants called the roll each responded. They called Furst, Klipfel, Berth, and we responded as the others. Then the captain commanded: "March!" and we departed, two by two, towards the French gate.

At the corner of the street, where lived the baker Spitz, an old woman cried from her window in a choking voice:

"Kasper! Kasper!"

It was the grandmother of Zebede; her chin trembled. Zebede waived his hand without responding; he was much affected and bowed his head.

I trembled in advance at passing in front of our house. In arriving there my legs shook; I heard some one cry from the window, but I turned my head in the direction of the *Beouf-Rouge;* the noise of the drums drowned all.

The children ran behind us, crying:

"There they are! See, there is Klipfel! There is Joseph!"

Under the French gate, the men of the guard, drawn up in line, their arms at rest, watched us defile. One heard no longer only the noise of the feet in the mud produced by melting snow.

We had passed the farm of Gerberhoff, and were about to descend the hill to the grand bridge, when I heard some one speak my name; it was the captain, who called to me from his horse:

"Well done, young man; I am pleased with you!"

On hearing this I could not prevent myself from again shedding tears, and the tall Furst also, we wept as we marched; the others, pale as death, said nothing. At the grand bridge Zebede got out his pipe to smoke. In front of us the Italians talked and laughed between themselves. They had for three weeks accustomed themselves to this existence.

Once, as we were about to descend the hill, Klipfel touched my shoulder, and, turning his head, said to me:

"Look below."

I looked and saw Phalsburg far below us; the barracks, the powder magazine, and the tower from which I had seen the house of Catherine six weeks before. All was gray, with the dark woods around. I should liked to have remained there for some time, but the troop marched on, and it was necessary to follow. We descended to Metting.

The same day we came to Bitche, the next day to Hornbach, to Kaiserslautern, etc. The weather had changed to snow.

How many times during this long march I regretted the good cloak of M. Goulden and his double-lined shoes.

We passed through villages without number, now in the mountains, now in the plains. At the entrance of each borough the drummers played the march; then we straightened up and kept step, in order to have the air of old soldiers. The people came to their little windows, or advanced upon their door steps, saying: "These are conscripts."

In the evening, at the halt, we were glad to rest our tired feet, I especially. I cannot say that my legs bothered me but my feet—ah! I had never felt such great fatigue! Our billets gave us right to seat ourselves at the fire, where quartered, but the people gave us also place at their tables. Almost always we had curdled milk, and potatoes; sometimes also fresh bacon garnishing a plate of sauerkraut. The children came to see us; the women asked us from what country we came, what we did before departing; the girls looked at us with a sad expression, thinking, no doubt, of their lovers departed five, six or seven months before. With what pleasure I couched myself, as I wished to sleep for the next twelve hours. But early, at break of day, the beating of the drum would awaken me; I would look at the brown beams of the ceiling, the little panes of glass covered with frost, and ask myself: "Where am I?" Suddenly my heart would compress itself, and I would say: "You are at Bitche, at Kaiserslautern; you are a conscript!" And it was necessary to dress quickly. take my knapsack and run to respond to the call.

"Good-bye!" said the housewife, early awake.

"Thanks," responded the conscript; and he departed.

Yes, yes, good-bye! They will see you no more; how many others have followed the same road!

To be continued.

"Children are so much worse than they used to be. What do you attribute it to?"

'Improved ideas in building."

"What has that to do with it?"

"Much. Shingles are scarce, and you can't spank a boy with a tin roof."

GINSENG THE money making crop. Easily grown. Room in your garden to grow hundreds of dollars worth annually. Roots for sale. Plant now. Literature free. Write today. BUCKINGHAM'S GINSENG GARDENS, Dept. C. Zanesville, O.

METAL MOTHERS

Complete fire-proof hatching and brooding plant for $7.50. 2 qts. oil hatches 50 eggs and raises chicks. Catalogue free. CYCLE HATCHER CO., Box 282, Salem, New York.

In writing advertisers mention the WORLD.

Registered Holsteins Wanted. Yearling heifers. Cows due to freshen soon. Heifer calves must be registered and price reasonable for cash. Write P. O. Box 866, Cortland, N. Y.

WELL DRILLING Machines

Over 70 sizes and styles, for drilling either deep or shallow wells in any kind of soil or rock. Mounted on wheels or on sills. With engines or horse powers. Strong, simple and durable. Any mechanic can operate them easily. Send for catalog.

WILLIAMS BROS., Ithaca, N. Y.

In writing advertisers mention the WORLD.

DO YOU WANT

A 27-lb. aged bull that is a good one, took first premium at Ohio State Fair, '05; or would you prefer his son, 11 months old, whose dam holds second place in the world's A. R. O. records under 25 months of age with 17½ lbs. in 7 days, av. fat 3.96, and 11 lbs. 8½ months after calving, av. fat 4.3, milking twice. She has given 10354.7 lbs. from March 1st, '05, to Jan. 1st, '06, and now giving 30 lbs. per day. A few cows for sale at a bargain. Write us your wants, anything in herd for sale.

F. G. JOHNSTON & CO.,
Sta. B, Columbus, O.

Woodcrest Farm Herd of Holstein-Friesians.

SIRES IN SERVICE.

Homestead Girl De Kol's Sarcastic Lad, No. 32558; dam Homestead Girl De Kol, A. R. O. record 26.29 lbs. butter in seven days, her milk averaging 3.94 per cent. fat.

Woodcrest Pietje (imported), No. 35469. The dam of this bull is the great imported cow Pietje 22d, No. 70884; seven-day record, 594.4 lbs. milk, 27.02 lbs. butter; 30-day record, 2,453.8 lbs. milk, 106.45 lbs. butter; 60-day record, 4,706.8 lbs. milk, 205.82 lbs. butter; 100-day record, 7,745.1 lbs. milk, 334.825 lbs. butter.

We have a few choice young A. R. O. cows for sale bred to above sires; also bull calves and young bulls ready for service from A. R. O. dams with records of twenty pounds and better.

A. S. CHASE, Manager,
Rifton, Ulster Co., N. Y.

In writing advertisers mention the WORLD.

Modern Silage Methods

That is the title of our new 216 page book. It tells everything anybody could possibly want to know about the silage subject. You can't think of a question that it does not fully answer. How to build, from foundation up, all kinds of silos. All about the crops and how to cut and fill. How to feed, with the most complete feeding tables ever published. About 40 illustrations help to make things plain. Used as a text book in many Agricultural Colleges. We have always sold the book for 10 cents, but for a limited time, to any reader who will ask for it, and name this paper, we will send a copy free. Write at once.

SILVER MFG. CO.,
Salem, Ohio.

Association of Canada Transfers for November.

Continued from last issue.

Pride of Evelyn, F. Strobridge, Wm. Mullis, Evelyn, Ont.
Pride's Napoleon, Christian Wagler, Isaac Askin, Carthage, Ont.
Princess Sylvia's Star, Peter Fargy, Gilbert Clapp, Corbyville, Ont.
Prince Wayne De Kol of Athens, T. R. Beale, Joseph P. Mott, Rockspring, Ont.
Posch Netherland Prince, George A. Ouderikrk & Son, D. McMillan, Dunbar, Ont.
Queen's Hector De Kol, Richard Honey, E. L. Halpenny, Prowbridge, Ont.
Royal Beauty, John Wagner, W. F. Bird, Cryslar, Ont.
Ruby Gretqui's Prince, Peter Fargey, Walter Snider, Blessington, Ont.
Sir Akkrum Ykema De Kol, Fred Lindley, Louis Hebert, Marbieton, Que.
Sir De Kol Johanna, J. W. Richardson, D. Jones, Jr., Caledonia, Ont.
Sir Inka De Kol Butter Boy 2d, Wm. Higginson, Charles L. Locke, Dixon's, Ont.
Sir Mutual Butter Boy 4th, W. W. Brown, H. McCalpin, South Lake, Ont.
Sir Sylvia Posch Beets, G. A. Gilroy, A. J. Dougherty, Beachburg, Ont.
Sir Teake De Kol, G. W. Clemons, C. A. Kincaid, Barriefield, Ont.
Tensen De Kol of Minster, R. Honey, Ernest Deyell, Peterborough, Ont.
Thurlow's Champion, Peter Fargey, Fred Belcanquel, Gilead, Ont.
Tritomia Lady's Pietertje, David E. Merrells, Thos. Petherick, Campbellford, Ont.
Van Tromp, Peter Fargey, Henry Fairman, Corbyville, Ont.
Vernon Colonel, Daniel Campbell, A. Duncan Kennedy, Vernon, Ont.
Wayne Johanna Lad, Matt. Richardson, T. R. Beale, Athens, Ont.
White Prince 2d, Chas. Williams, Wm. F. Fletcher, Springford, Ont.

COWS.

Arabella De Kol, A. B. Potter, D. C. McGregor, Vancouver, B. C.
Belle Dora, Geo. T. Prouse, J. W. Allin, Cullodin, Ont.
Bessie Hengerveld De Kol, H. E. George, Peter Campbell, Stratford, Ont.
Bessie Ione Sylvia 2d, Stewart Cummings, Stillman R. Reid, Glen Smail, Ont.
Chamcook Columbia, J. L. Riches, W. P. Thompson, Bridgton, Me.
Charlotte P. 2d, W. H. Simmons, M. E. Woodworth, Lacolle, Que.
Lizzie Williamson, Rosa Mundi, Zoe's Casava; Wm. Newlands, Frederick Howell, Eburne, B. C.
Mathey Ethel De Kol, Jonathan Jantzi, Joseph Wagler, Linwood, Ont.
Northcote Mary, X. Plaunt, Thomas Kosmuck, Northcote, Ont.
Phoebe De Kol, Duncan Campbell, Chas. A. Cline, London, Ont.
Princess Carrie of Biltmore, Robert McQueen, Benj. James, Brownsville, Ont.
Princess De Kol Netherland, M. E. Woodworth, P. Brault, Jr., St. Sebastien, Que.
Princess Dot De Kol, M. E. Woodworth, C. E. Kent, Kingscroft, Que.
Princess Ethelene, Robt. McQueen, Joseph James, Brownsville, Ont.
Princess Madolyn of Biltmore, Robt. McQueen, Austin Cowan, Culloden, Ont.
Rosa Aaggie Cornelius, H. E. George, J. C. Foster, Erie View, Ont.
Sarah Jane 2d, C. H. Crossett, Lewis Kennedy, Tillsonburg, Ont.
Sarah Queen of Middleton, C. H. Crossett, A. L. Scott, Tillsonburg, Ont.

Canadian Transfers, December.

BULLS.

Aberdeen Sylvia Prince, Hamilton Lynn, O. P. Arnold, Addison, Ont.
Beauty's Sylvia King, Hamilton Lynn, G. A. Gilroy, Glen Buell, Ont.
Calamity Butter Baron, Geo. Rice, John Dearing, Palermo, Ont.
Canary Butter Baron, Geo. Rice, Thomas Thirlwall, Ailsa Craig, Ont.
Charlotte's Iosco, W. H. Simmons, R. E. Dougherty, Oxford Centre, Ont.
Count Calamity De Kol, A. McAulay, Angus Nichilson, Hazel Grove, P. E. I.
Daisy's De Kol Sylvia Prince, Hamilton Lynn, Stanley Coad, Newbliss, Ont.
De Kol of Locust Lodge, A. R. Hanton, Johnston S. Morris, Athens, Ont.
Dewdrop's Calamity Count, J. W. McCormick, W. J. McConnell, Morewood, Ont.
Duke of Elgin A., Grant G. Summers, John H. Brien, Vienna, Ont.
Elmdale Duke Concordia De Kol, R. J. & J. E. Kyle, Isaac N. Eritt, Winchester, Ont.
Eugenie De Kol's Yonintje, Thos. B. Carlaw, Robt. Shannon, Sunbury, Ont.
Gay Lad, Geo. Rice, Logan Brothers, Amherst Point, N. S.
George De Kol, C. R. Gies, Albert Schiefele, Heidelberg, Ont.
Iosco Pietje De Kol 2d, W. H. Simmons, James Carmichael, Arva, Ont.
Jewel of Locust Lodge, A. R. Hanton, Everett E. Lehigh, Frankville, Ont.
Johanna Pietertje Rue, Matt. Richardson, J. E. McIntosh, Breadalbane, Ont.
Keyes De Kol, A. D. Foster, Wesley Dawson, Switzerville, Ont.
King of the East, A. E. Weller, John Valentine, Violet, Ont.
Kitty Marling De Kol, J. W. McCormick, Jas. Smirl, Morewood, Ont.
Korndyke Wayne Pietertje, Benj. Webster, Albert E. Foster, Newbliss, Ont.
Lady Mara's Abbekerk, J. W. Cameron, A. H. Scott, Perth, Ont.
Lady Schuilling's Prince, F. Strobridge, Lawrence McCloud, Rayside, Ont.
Lena Pietertje's Pride, Wm. H. Deller, Fred Hilliker, Burgessville, Ont.
Leo of Rockfern, H. LeRoy Cooey, J. Augustus Hayes, Sheffington, Que.
Lydia's Cornelius, Richard Johnston, Donald F. Smith, Camlachie, Ont.
Nober Duke, W. J. Bailey, John Simington, Burtch, Ont.
Paul Abbekerk De Kol, W. W. Brown, E. V. Norton, Coaticook, Que.
Pietertje Keyes, A. D. Foster, J. J. Brown, Bloomfield, Ont.
Prince Grott De Kol, W. H. Mullins, Jacob Beck, Ponoka, Alta.
Prince Leo Gladstone, G. McLean, Napoleon How & Sons, Athens, Ont.
Prince Mercedes De Kol, A. McAulay, Jean Chaisson, Rustico, P. E. I.
Sir Acme 2d, A. C. Hallman, John Taylor, Latimer, Ont.
Sir Hengerveld John De Kol, H. E. George, B. Holtby, Belmont, Ont.
Sir Inka Johanna, Matt. Richardson, W. R. Cowing, Innerkip, Ont.
Sir Johanna Inka De Kol, A. P. Ingrams, S. Crossfield, Abbotsford, Que.
Sir Laura De Kol, H. E. George, George Carrow, Atherton, Ont.
Snowy Korndyke, A. D. Foster, G. V. Sweetman, Picton, Ont.
Sunny Keyes, A. D. Foster, D. J. Love, Millford, Ont.
Tensen's Prince, W. J. Bailey, Nelson Back & Samuel Graves, Tyrrell, Ont.
Togo of Penryn, W. A. Philp, G. L. Duncan, Morganstown, Ont.
Toronto Born Iosco, W. H. Simmons, John Nephew, Finch, Ont.
Victor of Riverview, Thos. White, Alfred Kenny, Hemmingford, Que.
Waldorf De Kol Dexter, C. A. McNeil, C. W. McNeil, Lansdowne, Ont.
Willowdale Victor, John M. Joyce, W. A. Martin, Moscow, Ont.

COWS.

Aaggie Cornelia Netherland, Aaggie Netherland Butter Girl, Detta 2d, Effa, Lady Evalina, Lady Topsy 2d, Lilly Acme De Kol's Beauty, Netherland Aaggie Cornelius, Netherland Cornelius Detta, Sylvan Maggie 2d, Sylvan Queen; H. E. George, J. W. Johnson, Sylvan, Ont.
Aaggie Cornelia Netherland, Aaggie Netherland Butter Girl, Netherland Cornelius Detta; J. W. Johnson, F. Howe, Crampton, Ont.
Aberdeen Lassie, Carmen Sylvia 2d's De Kol A., Daisy's De Kol Carmen Sylvia, Lize 4th of Sunnyside, Lize Sylvia De Kol, Oxford Netherland Beauty; Hamilton Lynn, Geo. C. Bellamy, Toledo, Ont.
Aaggie Detta Netherland, J. W. Johnson, E. C. Chambers, Fairfield Plains, Ont.
Belle Dewdrop 4th, Geo. Rice, John Dearing, Palermo, Ont.
Bessie's Faforit, Faforit Butter Girl; R. F. Hicks, Thos. Hartley, Downsview, Ont.
Buttercup De Kol Toitilla, Francis Stauffer, Wm. S. Shearer, Listowel, Ont.
Flossie De Kol Clothilde, Francis Stauffer, Wm. S. Shearer, Listowel, Ont.
Byron's Midsummer, Hulda of Maple Grove; F. L. Brown, Gunn & Sinclair, South Africa.
Car Born De Kol 2d, Car Born De Kol 2d's Wayne; W. W. Brown, Wm. C. Stevens, Phillipsville, Ont.
Cleora De Kol, Geo. Rice, Wm. S. Shearer, Listowel, Ont.
Clothilde De Kol Netherland, W. W. Brown, J. D. Truesdell, Spring Valley, Ont.
Cora Pietertje Beauty, Bertram Koskin, Peter Annan, Dunbarton, Ont.
Cornelia's Beauty, Thos. White, Morrison McCrea, Hemmingford, Que.
Daisy B. De Kol 3d, Sherwood De Kol; A. P. Ingrams, R. Gillespie, Abbotsford, Que.
Detta Cornelia Netherland, J. W. Johnson, James Rouse, Crampton, Ont.
Detta 2d, Effa, Maggie Cornelia Netherland, Sylvan Maggie Netherland; J. W. Johnson, J. H. Smiley, St. Thomas, Ont.
Lady Topsy 2d, Miss Laura, Sylvan Maggie 2d, J. W. Johnson, H. E. George, Crampton, Ont.
Emily D, La Vata 15th, La Vata 16th, Locust Hill Bessie 2d, Locust Hill Lilly;

CROWN HERD.

9 A.R.O Records average 24,867 lbs.

I now offer the bull **Crown Pauline Sir Hengerveld**, calved Feb. 20th, 1905; nicely marked, good size, straight and square; an extra fine bull and a good handler every way. In his pedigree there are 9 A. R. O. records that average 14,867 lbs. of butter. 7 of these average 26.59 lbs. First check of $50.00 takes him.

I. J. FOSTER, - - Cortland, N. Y.

"HELLO!"

"Is this the Holstein-Friesian World?
"Yes. Who is at the Phone?"
"Richard Hicks, Auburn, N. Y."

Please announce in the World that I have for sale at a bargain; a yearling bull sired by De Kol Burke, dam, Segis De Kol with an official record of 16 lbs.; one from same dam 6 months old, sired by De Kol 2d's Netherland Jr; one from Daisy Pietertje Zeno, also with a record of 16 lbs, sired by Lilith Pauline De Kol's Count."

"All right, Mr. Hicks." "So long."

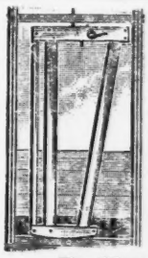
The Bull You Are Looking For

A Bull ready for service, whose five near dam's average 14 pounds butter each in 7 days, A. R. O. Average fat for the five 4.1 per cent. If interested in the bull write at once to

Lawrence L. Grow, Fort Jackson, Maple Lawn Stock Farm St. Law. Co. N. Y.

FOR SALE Holstein-Friesian Bull Calves. These calves are out of first-class A. R. O. cows. For prices, etc., address

H. D. SEELY,
Maple Knoll Farm, Chester, N. Y.



EXCELSIOR SWING STANCHION

WARRANTED THE BEST
30 DAYS TRIAL

Can be returned at our expense if not satisfactory.

Stationary when open

The Wasson Stanchion Co.
Box 20, Cuba, N. Y.
Will be at National Dairy Show, Chicago.

Korndyke Bull Calves for Sale

Sired by Korndyke Queen De Kol's Prince, No. 26025; his dam has an A. R. O. record of 24 lbs. 6.7 oz. butter in 7 days, 437 lbs. 7 oz. in 6 months. He is the sire of 20 A. R. O. daughters; also a few from Witkop De Kol Korndyke Wayne, No. 36543; his dam has an A. R. O. record of 21 lbs. 13 oz. butter in 7 days at 3 years 15 days old; her milk averaged 4.44 per cent. fat. We are now booking orders for them from A. R. O. cows. Prices low for calves of this breeding. We also have a few young cows bred to these sires for sale. F. W. AMES, Morristown, St. Lawrence County, N. Y.

Wm. Armstrong, Mission Dairy Farm, Ltd., Dewdney, B. C.

Ethel Bell, Maid of Elgin 2d; James R. Bell, G. W. Higginson, Rockland, Ont.

Fairview Nell, Jewel Pride De Kol 2d; G. T. Prouse, Lewis Pearce, Springford, Ont.

Flora Netherland, Helbon Gentle; Edmund Laidlaw, G. H. Caughell, Aylmer, Ont.

Ida Netherland, J. W. Johnson, H. Oster Lowes, Ingersoll, Ont.

Inka Josephine Abbekerk, Lady Waldorf De Kol 2d; W. W. Brown, H. A. Layng, Spring Valley, Ont.

Inverness Beauty De Kol, A. R. Fierheller & Son, Fierheller Bros., Mt. Elgin, Ont.

Lady Alexandra De Kol, Queen Mollie; James Herriot, Aaron Johannea, Winnipeg, Man.

Lady Evalina, J. W. Johnson, T. G. Patterson, Rayside, Ont.

Lady Netherland Xanthe 4th, D. Campbell, Fred Abbot, Harrietsville, Ont.

Lady Topsy 2d, Sylvan Queen; J. W. Johnson, McGhee Bros., Beachville, Ont.

Leola Dale Snow Ball, A. R. Hanton, J. A. Mott, Rockspring, Ont.

Lilly Acme De Kol's Beauty, J. W. Johnson, C. L. Henderson, Ingersoll, Ont.

Lottie Wayne De Kol, Benj. Webster, Albert E. Foster, Newbliss, Ont.

Madonna Clothilde 3d, Geo. Rice, Thos. Thirlwall, Ailsa Craig, Ont.

Maggie, D. Campbell, G. H. Caughall, Aylmer, Ont.

Maggie Cornelius, Netherland Edgely; J. W. Johnson, G. T. Markham, Ingersoll, Ont.

Miss Laura, H. E. George, John Haycock, Embro, Ont.

Netherland Aaggie Cornelius, J. W. Johnson, George Weaver, Derwent, Ont.

Nettie De Kol, J. B. Arnold, James R. Payne, Brinston's Corners, Ont.

Pauline Ruby De Kol, Zozo Rea; S. R. Beck, Albert Mittlefehldt, Elcho, Ont.

Pietertje Rue De Kol, Matt. Richardson, William Walker, Carluke, Ont.

Queen Ann De Kol, Queen Pauline De Kol; A. Kennedy, S. Macklin, Streetsville, Ont.

Queen Bess A., Johnston Bros., Gunn & Sinclair, South Africa.

Queenie Jemima De Kol, J. B. Arnold, James R. Payne, Brinston's Corners, Ont.

Queen Sally De Kol, A. B. Potter, R. K. Smith, Oak Lake, Man.

Rideau Black Bess, A. E. Weller, John Valentine, Violet, Ont.

Sadie Queen, G. W. Countryman, Benj. Hagerman, Minto, Ont.

Sherwood Gipsy, Alex. Taylor, Robert Shaw, Athens, Ont.

Sylvan Agatha Netherland, J. W. Johnson, W. M. Darling, Harrington, Ont.

Sylvan Maggie 2d, J. W. Johnson, R. F. Smith, Culloden, Ont.

Victoria Maud, G. C. T. Ward, John M. Joyce, Napanee, Ont.

Victoria Maud, John M. Joyce, Irvine Hambly, Napanee, Ont.

White Rose, John Tanahill, Gunn & Sinclair, South Africa.

G. W. CLEMONS,
Secretary.

Transfer List for the Week Ending Dec. 20, 1905.

COWS.

ILLINOIS.

America Castine, L. G. Legler to W. R. Angle, Dakota.

Elza De Kol, H. L. Waterman to C. W. Harrison, Ringwood.

Princess Mechthilde Pietertje 2d, John Hug, Jr., to J. J. Stocker, Greenville.

Tirania Vickery Mechthilde, L. G. Legler to W. R. Angle, Dakota.

MAINE.

Alma Pietertje, Amarilla Aaggie Burke, Ononis Pietertje Inka; from M. T. Carrigan to Charles L. Jones, Corinna.

MARYLAND.

Agnes Hoskins, Beautiful Lady De Kol of Ury, Countess Paul Zula Colanthus, Pauline Bennetj Netherland De Kol; from J. Scott Parrish to Alfred Fassitt, Sylmar.

MASSACHUSETTS.

Maid of the Elms, Shepard Soldene Emily, Spot Pietertje; Thomas O. Taylor to E. Wesley Smith, Foxboro.

De Kol Mechthilde Wayne Tnsch, De Kol Pietertje Aaggie, De Kol Pietertje Mercedes Antigua, De Kol Queen Hengerveld Wayne, De Kol Wayne Tnsch, Hengerveld Mechthilde Tnsch, Hengerveld Parthenea Tnsch, Pietertje Mechthilde Wayne; E. D. Reynolds to Fred F. Field, Brockton.

Cipher Lilu, M. T. Carrigan to Edw. W. Pope, Lincoln.

Eugelake Bessie, B. W. Potter to B. W. Potter & Son, Rutland.

Edgelake Mercedes, B. W. Potter to B. W. Potter & Son, Rutland.

Ethel Hanna Clothilde, J. E. Durkee to Geo. E. Jones, Concord.

Jennie Hanna Clothilde, J. E. Durkee to Geo. E. Jones, Concord.

Jessie Hartog Pietertje 2d, E. A. Powell to H. F. Barber, Pittsfield.

Mabel Hanna Clothilde, J. E. Durkee to Geo. E. Jones, Concord.

Netherland Artis De Kol Pauline, E. A. Powell to H. F. Barber, Pittsfield.

Pontiac Dike, Eastern Mich. Asylum to Fred F. Field, Brockton.

Pontiac Empress, Eastern Mich. Asylum to Fred F. Field, Brockton.

MEXICO.

Aaggie Clothilde Artis Alba, Alice Plum De Kol, Anna Clothilde Inka, Bertha De Kol Ondine, Bessie Inka, De Kol Gold Dust 2d, Docia McGinty De Kol, Duchess De Kol Artis, Eliza Plum, Elnora De Kol Hartog, Fanny Mercedes Keyes, Gertrude De Kol, Hillview De Kol Bonnibel 2d, Imilda De Kol, Irma Pietertje De Kol, Kate Clothilde Artis, Kiatta Mercedes Ursena Artis, Lady Jane Isora, Lib Nettie De Kol, Manor Milk Maid, Nanie Aaggieland Echo 2d, Netherland Witkop, Orpha Pride Netherland, Pauline De Kol Butter Girl, Pauline Witkop 2d, Pet King Neta, Princess Errol Pietertje, Rosella Mechthilde Echo, Sara Romulus, Shadeland Dorothy, Shadeland Edenia, Shadeland Eugenia, Tina Pauline De Kol 2d, Zelia De Kol; E. A. Powell to Jose J. Barbabosa, Toluca, Mexico.

MICHIGAN.

Maltine Pietertje, S. M. Yerkes to James Clements, Howell.

NEW HAMPSHIRE.

Kroontje Carlotta Mechthilde, Kate M. Currier Sawyer to E. M. Blodgett, Wentworth.

NEW JERSEY.

Edith Prescott Pauline De Kol, W. E. Shinn to A. A. Cortelyou, Neshanic Station.

Madge Clothilde of Woodlawn, Wm. T. Hagaman to John Huff, Neshanic Station.

Queen Jewel De Kol, A. A. Cortelyou to The Congregation of the Mission of St. Vincent de Paul, Bordentown.

Queen Wayne De Kol, A. A. Cortelyou to The Congregation of the Mission of St. Vincent de Paul, Bordentown.

NEW YORK.

Baroness Deloree, Dolceola De Kol 2d, Mabel De Kol Netherland; E. C. Brill to Mudgett & Smith, Ellicottville.

Aaggie Wayne Hartog, Pietertje Queen Pauline De Kol, Rilma De Kol; E. C. Brill to Walter Tallman, Highland.

Beautiful Queen, Clothilde 3d's Netherland A., Milk Weed Netherland; E. C. Brill to Walter Hasbrouck, Highland.

Maple Grove Mabel De Kol, Maple Grove Netherland Queen, Princess Celeste De Kol 3d; Frank Fear to Charles Dorn, Garoga.

Maple Grove Hartog De Kol, Maple Grove Treasure De Kol, Roella Netherland De Kol; Frank Fear to Dewitt Dorn, Jr., Garoga.

Azalea Echo Colantha Clothilde 2d, Clothilde Veeman De Kol Castine, Friesland Aaggie Castine 2d, Lady of the Ledge De Kol; Geo. N. Morrow to Charles L. Mallery, Hillsdale.

De Kol Clothilde Koningen, Melba De Kol Artis, Olga De Kol Artis; J. A. Nottingham to E. A. Powell, Syracuse.

Elnora De Kol Hartog, Imilda De Kol, Hillview De Kol Bonnibel 2d, Pauline De Kol Butter Girl; Floyd Greene to E. A. Powell, Syracuse.

Forster Butter Girl, Lola Pulaski, Lola Pulaski 3d; from A. B. Trowbridge to E. A. Powell, Syracuse.

Pet King Neta, Pet King Neta 2d, Pet King Neta 3d; Dorr Trowbridge to E. A. Powell, Syracuse.

Lady Jane Isora, Nanie Aaggieland Echo 2d, Rosella Mechthilde Echo; J. M. Greene to E. A. Powell, Syracuse.

Appoline Clothilde Beauty, Appoline De Kol America, Dott Pietertje 2d, Maplecroft Posch, Matildie Onyx, Milly Paul De Kol, Patty Pietertje 2d; L. H. Corning to Horace L. Bronson, Cortland.

Ella Pauline, Miss Daphne 2d's Daughter, Miss Nathalie De Witt, Oatke Clothilde, Susie Pauline; P. B. McLennan to John McLennan, Syracuse.

Aaggie Jetta's Pauline De Kol 2d, J. W. Johnston to H .M. Miller, Roscoe.

Aaggie Prescott Paul De Kol, N. F. Sholes to John Howard, Sherburne.

Bertha Copia 2d, E. J. Spooner to T. O. Spooner, Solsville.

Brookside Segis Korndyke, Stevens Bros.-Hastings Co. to Herbert Barber, Plattsburgh.

Cecelia De Kol Artis, J. A. Nottingham & Son to E. A. Powell, Syracuse.

De Kol Artis Koningen, J. A. Nottingham & Son to E. A. Powell, Syracuse.

De Kol Mohawk Queen, J. H. Starin to Conrad Hoese, Lykers.

Fanny Mercedes Keyes, Frank A. Pangburn to E. A. Powell, Syracuse.

Greenwood Lady Mechthilde, F. W. Conrade to H. F. Brutsman, Troupsburg.

Jennie Mercedes Atossa De Kol, L. J. Fitzgerald to W. A. Morse, Camden.

MILK TUBES

Indorsed by leading veterinary surgeons. Coin Silver 50c, Set of four $2. Teat Opener 75c. Dilating Plug 25c. Milk Fever outfit $3. Teat Slitter $1.50. Postpaid on receipt of price. Full directions.

Geo. P. Pilling & Son, Philadelphia, Pa.

In writing advertisers mention the WORLD.

- - LOOK HERE - -

At almost farmers' prices, two young Holstein cows, two and four years old respectively, also richly bred yearings Holstein bull and bull calf.

HILLSIDE STOCK FARM,
STANTON OSTERHOUT,
Cobleskill, N. Y.

In writing advertisers mention the WORLD.

HIGHLAWN FARM,

AUBURN, MASS.

Breeder of High-Class

Holstein-Friesian Cattle.

For catalogue and prices address, F. P KNOWLES, Auburn, Mass.

In writing advertisers mention the WORLD.

A Few Very Choice Bull Calves

sired by Aaggie Cornucopia Johanna Lad; dams by Paul Beets DeKol and Korndyke Queen DeKol Prince, with good A. R. O. backing. Write for prices. Visitors welcome.

A. W. BROWN.

In writing advertisers mention the WORLD.

North Bend Stock Farm.

The Home of the Veemans--Beryl Wayne DeKol Paul at the Head of the Herd. His dam is Beryl Wayne, A. R. O. record 27 lbs. 14 ozs. of butter in 7 days. Have for sale a son of Jessie Inka Pledge, whose A. R. O. record is 18 lbs. 5 ozs. of butter in 7 days at 2 yrs. 2 mos., the world's record for her age in 1905. This calf's dam and granddam average 23 lbs. 1½ ozs. of butter in 7 days. Also, a fine bull calf from Phebe Veeman's Beauty, who is to be tested soon. This calf's two granddams average 25 lbs. 9 ozs. of bntter in 7 days, A. R. O. Calves and stock for sale at all times.

H. H. Wickwire,
Hubbardsville, N. Y.

In writing advertisers mention the WORLD.

Brookside Herd

HIGH-CLASS HOLSTEIN-FRIESIAN BULL CALVES FOR SALE.

From dams that have made large official records, and are noted prize winners. Sired by the best bulls living.

Write for pedigree and prices.

W. H. DAVIS,
Washington Hollow, N. Y.

HOLSTEINS.

High Class Advanced Registry Stock only Best butter families. Stock for sale.

Woodside Farm, Princeton, Worcester Co. Mass.

JOHN B. MARCOU.

In writing advertisers mention the WORLD.

Kiatta Mercedes Ursena Artis, C. F. Corey to E. A. Powell, Syracuse.
Lady Idske De Kol, Stevens Bros.-Hastings Co. to Dr. P. C. Hoag, Alplaus.
May Blossom De Kol Pietertje, Horace L. Bronson to D. B. Neal, Cortland.
Melanie 2d's Princess, E. A. Powell to Geo. A. Baird, Winthrop.
Naiad De Kol, I. W. Decker to S. J. Fleming, Walden.
Nellie Clodine 3d, H. M. Clarke to E. A. Powell, Syracuse.
Netherland Artis Pauline. C. F. Corey to E. A. Powell, Syracuse.
Netherland Witkop, C. F. Corey to E. A. Powell, Syracuse.
Orpha 2d's Daisy Pietertie 2d, C. F. Corey to Frank Fowler, Baldwinsville.
Pauline Lieuwkje De Kol 2d, J. W. Johnston to H. M. Miller, Roscoe.
Pauline Witkop Netherland, C. F. Corey to Wiggins & Frawley, Phoenix.
Pride of Earlville 3d, E. A. Powell to Geo. A. Baird, Winthrop.
Queen Beauty Deane, Eugene Bolt to Bolt & Huey, Watkins.
Shadeland Illva Piersma, H. L. Bronson to Samuel J. Tilden, New Lebanon.
Starin 362, John H. Starin to Frank Edwards, Glen.
Tina Pauline De Kol 2d, W. R. Crandall to E. A. Powell, Syracuse.

NEW ZEALAND.

De Kol Manor Beets 4th's Daughter, Lady Mooie Blanco 2d, Mabel Wakalona; Charles D. Pierce to New Zealand Loan & Mercantile Agency Co., Ltd., Auckland, New Zealand...

OHIO.

Richmond Belle, C. S. Bullard to W. H. Bullard, Andover.
Susan Daw, S. J. Byler to Perry Crossly, Middlefield.
Twiskstein Oosterbaan, E. G. Bancroft to G. H. Bancroft, Nelson.

PENNSYLVANIA.

Castle Fin Mary June De Kol, Walter C. Platt to J. Benson Gable, Stewartstown.
Hillside Dorothy, J. N. Conyngham to D. P. Honeywell, Wilkes-Barre.
Juliana Queen Abbekerk, W. W. Phillips to F. N. McLaughlin, McKean.
Kootenai, H. L. Bronson to W. T. Vernon, Sharpsville.
Nellie Pietertje, W. W. Phillips to C. H. Tallman, McLane.
Pietertje Queen Mary W. W. Phillips to Wm. Porter, Avonia.
Susie Paul 2d's De Kol, H. L. Bronson to R. P. Clark, Lottsville.

RHODE ISLAND.

Jewel Parthenea Bell, Ira S. Jarvis to R. G. Hazard, Peacedale.
Pauline Jewel De Kol 2d, Ira S. Jarvis to R. G. Hazard, Peacedale.

VERMONT.

Countess Pauline De Kol Mechthilde, N. A. Johns to Geo. C. Cary, St. Johnsbury.
Edgelake Clothilde, B. W. Potter & Son to L. P. Tenney, Royalton.
Negreto, W. H. Stowe to C. C. Ryder & Sons, Marlboro.
Netherland Star Daisy De Kol, W. H. Stowe to C. C. Ryder & Sons, Marlboro.
Perfect Pride, Geo. C. Clark to D. & A. A. Carleton, West Newbury.
Riverside Clothilde De Kol, F. A. Knight to T. H. Lyster, St. Johnsbury.
Riverside Jean De Kol, F. A. Knight to T. H. Lyster, St. Johnsbury.
Aaggie Cornucopia Johanna Lass, Paul Beets De Kol Lady, Paul Beets De Kol Queen, Ruth Pietertje Hartog Tweede, Topsy Jewel De Kol; Jarvis Bros. to Guild & Roberts, Rupert, Vt.

VIRGINIA.

Aaltje De Kol, Joe Bach Josephine, Netherland Fancy Rosetta, Scotia 4th; H. L. Bronson to Dr. Samuel Adams Robinson, Covesville.
Manor Grace Pietertje, Bronson & Fitzgerald to Samuel Adams Robinson, M. D., Covesville.
Shadeland Dulcibel 4th, L. J. Fitzgerald to Samuel Adams Robinson, M. D., Covesville.

WISCONSIN.

Aaltje Rue Johanna, Cressy Concordia, Jessie Parthenea Johanna, Sadie Vale Titje Mercedes, Zeo Tirania; L. G. Legler to Geo. Armstrong, Darlington.
Belle Battels Mercedes 2d, Sadie Vale Veritas, Veronica Aaltje of Lake Side; L. G. Legler to C. H. Stevens, Jefferson.
Aaggie Sadie Vale Concordia, L. G. Legler to Ed Stevens, Juda.
Bessie De Kol Pietertje 4th, W .B. Barney to A. N. McGeoch, Milwaukee.
Flora Porcelain, O. T. Howard to A. E. Howard, Whitewater.
Forrisy Dieuwke, E. T. Carroll to C. E. Ward, Palmyra.
Inky Moensje 2d, Otto F. Toepfer to M. Haseleu, Waterloo.
Madam Wickfield, A. L. Williams to H. Beilfuss, Little Black.
Maggrath Clothilde Lady, Ezra Blumer to Edw. Lageson, Blanchardville.
Maid Ruiter De Kol, Otto F. Toepfer to Geo. H. Brereton, Lodi.
Mercedes De Kol Gerben 2d, W. B. Barney to A. N. McGeoch, Milwaukee.
Moensje De Kol Aspirante, Otto F. Toepfer to Geo. H. Brereton, Lodi.
Moensje De Kol Pietertje, Otto F. Toepfer to M. Haseleu, Waterloo.
Princess De Kol of Brabant, A. L. Williams to H. Beilfuss, Little Black.
Stella Joan De Kol, Est. of J. W. Linton to Geo. Knilands, Ft. Atkinson.

BULLS.

CONNECTICUT.

Prince Hibma De Kol, Brattleboro Retreat Farm to A. B. Ladd, Jr., Baltic.

GEORGIA.

Kiatta Edkje Pauline Count, O. J. Godfrey to T. Turner, Quitman.

MASSACHUSETTS.

Paul Potter De Kol, B. W. Potter to Chas. D. Sage, North Brookfield.
Sir De Kol Carlotta 2d, M. T. Carrigan to Geo. S. Taft, Worcester.

MEXICO.

Bellewood Monk Count, Wing R. Smith to E. A .Powell, and from E. A. Powell to Jose J. Barbabosa, Toluca.
Shadeland Embassador, E. A. Powell to Jose J. Barbabosa, Toluca.

NEBRASKA.

Parthenea Lad, U. D. Feese to F. Newman, Alma.

NEW HAMPSHIRE.

Duchess Clothilde's Lad 16th, F. L. Houghton to J. E. Deering, Riverton.

NEW YORK.

Beryl Wayne of Pompey, Est. of Daniel Rosenblom to E. J. J. Morton, Pompey.
Boon De Kol Burke, Frank Frear to Chas. Titus, Oswegatchie.
Brightest Canary, W. A. Matteson to John B. Taylor, Watertown.
Duke Pietertje Ormsby, A. W. Evans to A. W. Evans & Son, Utica.
General Herkimer De Kol, Chas. Bell to E. J. Nelson, Utica.
King McGinty, G. W. Allen to G. W. Kennard, Deansboro.
King of the Ledge De Kol, Geo. N. Morrow to Chas. L. Mallery, Hillsdale.
King Rooney Belle, G. W. Allen to Robert R. Jones, Clinton.
King Walter De Kol, E. C. Brill to Walter Tallman, Highland.
Korndyke Hartog De Kol, W. H. Thomas to Stevens Bros.-Hastings Co., Lacona.
Lord Netherland Clothilde De Kol, E. C. Brill to Walter Hasbrouck, Highland.
Lord Tallman De Kol, E. C. Brill to Walter Tallman, Highland.
Mohawk Paul De Kol, John H. Starin to Conrad Hoese, Lykers.
Oak Hill Pietertje De Kol, Edwin J. Nelson to D. G. True, Alder Creek.
Paul De Kol Kaarta, Eugene Bolt to Bolt & Huey, Watkins.
Sadie Vale Aaggie De Kol, J. A. Stanton to Willis J. Lee, Erieville.
Sir Hilda Johanna Rue, J. P. Olney to Ernest Brush, Rome.
Starin 361, John H. Starin to Frank Edwards, Glen.
Top Notch Pietertje De Kol, Edwin J. Nelson to Charles Bell, Herkimer.

NEW ZEALAND.

Colonel Manor of Riverside, Charles D. Pierce to New Zealand Loan & Mercantile Agency Co., Ltd., Auckland.
Grace Netherland of Riverside, Charles D. Pierce to New Zealand Loan & Mercantile Agency Co., Ltd., Auckland.

OHIO.

Alonzo Oosterbaan, G. H. Bancroft to J. H. Stephens, Hiram.
Nelson Kruger, Bancroft Brothers to Bert Ryder, Garrettsville.
Nelson Prince Paul, Bancroft Brothers to G. H. Bancroft, Nelson.
Pedro De Kol Clothilde 2d, J. A. Ward to S. M. Whiting, Kirtland.
Prince America Schuiling, The O. C. Smith Co. to G. H. Bancroft, Nelson.
Wing Vergens Lad, E. G. Hawn to Roy Hawn, Troy.

OREGON.

Sir Stanhope Hengerveld, P. A. Frakes to C. O. Baxter, Dayton.

PENNSYLVANIA.

Komma, M. A. Crawford to S. R. Proudfit, Burgettstown.
Maplecroft Hengerveld De Kol, E. E. Poole to Geo. F. Courtney, Mercer.
Sir Lilith De Kol Beryl Ingalls, N. F. Sholes to W. A. Himes, New Oxford.
Winnetka Prince, J. J. F. McCullough to James A. McCalmont, Bulger.

RHODE ISLAND.

Mutual Paul King, Ira S. Jarvis to R. G. Haard, Peacedale.

VERMONT.

Brookside Boy De Kol, W. W. Kimball to C. B. Paige, Essex.
Duchess Clothilde's Lad 14th, F. L. Houghton to C. H. Ferguson, Vergennes.
Lilith Pauline De Kol Beryl 3d, Ira S. Jarvis to S. D. Nichols, Lyndon Center.
Mondamin Pietertje Wayne, Jos. Ballard to Ralph Buck, Fairfax.
Netherland Fay Paul De Kol, Frank W. Ames to J. S. Howland & Son, Taftsville.
Nosnip Pel 4th, Brattleboro Retreat Farm to E. H. Akley, Vernon.
Piebe Osiris De Kol, Guilu & Roberts to L. Penniman, St. Johnsbury.
Pietertje Prince Wayne, Jos. Ballard to Fred B. Boyden, East Georgia.
Prince Pietertje Wood De Kol, M. W. Wood to Wm. B. Spaulding, Middletown Springs.
Royal Boon De Kol Beauty, Ira S. Jarvis to S. D. Nichols, Lyndon Center.
Royal Prince Paul De Kol, Ira S. Jarvis to S. D. Nichols, Lyndon Center.
Sir Aaggie Cornucopia De Kol, Ira S. Jarvis to S. D. Nichols, Lyndon Center.
Sir Clothilde Pauline De Kol, Brattleboro Retreat Farm to C. A. Peck, Westminster.

WISCONSIN.

Aaggie Parthenea Johanna, Nick Grimm to Aug. Golnick, Tustin.
Bryonia De Kol, Frank Puth to A. L. Williams, and from A. L. Williams to Herman Giffey, Brandon.
Canary Piebe De Kol, Frank B. Fargo to Emil Seibel, Watertown.
Duke Mercedes Pansy, J. A. Briggs to Wm. Everson, Lake Mills.
Emma Schultz Aaggie Sir De Kol, C. H. Stevens to F. J. Fleming, Jefferson.
Johanna of Little Black, A. L. Williams to Herman Beilfuss, Little Black.
Madrigal Clothilde Friend, Ezra Blumer to Lewis Reed, Argyle.
Prince Dale De Kol Mechthilde, Ernest E. Butters to W. A. Barber, Waldo.
Prince Ringwood De Kol, J. W. Linton Estate to Geo. Knilands, Ft. Atkinson.
Sir Aaggie Madrigal Canary, Ezra Blumer to Fred Klassy, New Glarus.
Sir Canary Parthenea Colantha, Ezra Blumer to F. W. Baker, Blanchardville.
Sir Henry Netherland Mercedes, J. E. Gilbert to James H. Goodman, Troy Center.
Sir Johanna Melchior, G. W. Bates to H. A. Nonhof, Granton.

Transfer List for the Week Ending Jan. 27, 1906.

COWS.

ILLINOIS.

Elsie Clothilde, Aaron Meese to James Dorsey, Gilberts.
Uno Canary, F. W. Munson to C. W. Werthwein, Hampshire.
U & O's Queen, F. W. Munson to C. W. Werthwein, Hampshire.

IOWA.

Gewina Beauty Bell, E. E. Randall to W. B. Barney, Hampton.
Mollie Henry, Aug. Winter to Louis Youngers, Sheldon.
Sheldon Lady, Aug. Winter to Louis Youngers, Sheldon.

MAINE.

Cora Wenlock Wayne, Shattuck Farm to S. M. Paul, Dexter.
Fairfax Pietertje Shepard, Walter S. Keene to G. H. Rankin, East Hiram.
Sethje Veeman 4th's Pietertje, J. W. Davis to Homer B. Libby, Benton.

The Ithaca Democrat

COMMERCIAL BOOK AND JOB PRINTERS

122 South Tioga St. ITHACA, N. Y

LETTER HEADS,
BILL HEADS,
STATEMENTS,
ENVELOPES,
VISITING CARDS
PROGRAMS,
HERD CATALOGS
A SPECIALTY.

Yeteve De Kol, J. W. Davis to Homer B. Libby, Benton.

MARYLAND.

Lady Victorine Netherland, H. L. Bronson to Geo. Barchet, Annapolis.

MASSACHUSETTS.

Mermetta, Est. of Chas. P. Whitin to Geo. S. Taft, Uxbridge.

Millie Doso Piersma, Medfield Insane Asylum to M. T. Carrigan, Concord.

Netherland Heroine Mercedes, Est. of S. J. Gordon to Arthur A. Sibley, W. Springfield.

MICHIGAN.

Jessie Hark De Kol, Linnie M., Rosalind Pietertje; from Arthur J. Richardson to D. M. Dickinson, Detroit.

Anze Neptune D., Labonda Clothilde De Kol, Spring Colantha Girl; from S. B. Severens to Frank H. Williams, Allegan.

Pontiac Korndyke De Kol Wayne, E. M. Starkweather to J. H. Johnson, Farmington.

Pontiac Korndyke Pietertje De Kol, E. M. Starkweather to J. H. Johnson, Farmington.

Ruby Fenicia, B. B. Hardy to Henry Henspeter, Owosso.

NEBRASKA.

Clothilde Mercedes Pietertje, R. W. Maguire to Wm. Eicke, Omaha.

NEW HAMPSHIRE.

Black Ears Friesland De Kol, D. A. Arel to C. H. Thomas, West Rindge.

Friesland Beacon De Kol, D. A. Arel to C. H. Thomas, W. Rindge.

NEW JERSEY.

Addie Stapel De Kol, James Van Dyke to John V. Huff, Neshanic Station.

NEW YORK.

Clothilde Topsy De Kol, Lady Lilith Posch, Zanca De Kol 3d's Daughter; A. R. Marsh to H. V. Dunham, Bainbridge.

Fleet Blanche Netherland 2d, Fleet Jane Artis, Manor De Kol Veeman 2d, Mary Duchess Artis; G. H. Fleetham to Ben T. Steel, Heuvelton.

Blanche Artis Hengerveld, Cora Netherland 2d, Duchess Artis, Manor De Kol Veeman; G. H. Fleetham to Samuel Fieldson, DePeyster.

Calamity Jane Blackness, Dione Pride De Kol, Inka Calamity Jane, Lady Pauline Pietertje Wayne 2d, Louise Zozo 2d, Princess Dorinda De Kol; C. W. Loomis to E. H. Dollar, Heuvelton.

Amarilla Beauty, Bessie Victoria Spofford, Duanna Veeman 2d, Lady Veeman De Kol; G. A. Abbott to H. L. Bronson, Cortland.

Aaggie Netherland L., 3d, De Kol Lady C., De Kol Perfection D., De Kol Perfection M. 2d; Jay C. Weeks to Chas. C. Sharp, Auburn.

Ada Elliston, Blanca Clothilde, Grace Pietertje 2d, Maggie Keyes 2d's Mechthilde, Nona Elliston, Sue Elliston; International Railway Co. to S. W. Warner, Collins.

Aaggie Cornucopia Pauline Piersma, H. L. Bronson to C. A. Kelsey, Porterville.

Aaggie Skip Hartog, J. L. Baltz to Lewis Zimmer, Plessis.

Alban Pietertje De Kol, Read Bros. to Mrs. John P. Smith, Hinckley.

Alexander Clothilde Lady Bess, W. J. Beal to H. A. Palmer, Bridgewater.

Belle of Spencer Duchess, James Eglin to Henry Lacy, Syracuse.

Buckeye Netherland Clothilde, H. L. Bronson to H. H. Cobb, Pierrepont Manor.

Axie De Kol Pietertje, H. L Bronson to E. G. Persons, East Elma.

De Kol Lytle De Kol, Fred P. Simmons to F. C. Whiting, Busti.

Duanna Goudgeld, O. S. Langworthy to Langworthy & Morris, Hamilton.

Fleet Nora Bush, G. H. Fleetham to Geo. Bush, DePeyster.

Florence Barrington De Kol, W. L. Keyes to Stevens Bros.-Hastings Co., Lacona.

Hillview Leeza Netherland, B. Goff to Fred Smith, Goshen.

Johanna de Pauline Sarcastic, H. L. Bronson to H. H. Cobb, Pierrepont Manor.

Lady Ondit Pietertje 2d, Nellie B. Broadhurst to E. A. Powell, Syracuse.

Lena May Aaggie, L. E. Jones to Chas. D. Smith, Sheds.

Mercedes Beatrida Queen, H. L. Bronson to E. G. Persons, East Elma.

Mercedes Pauline Pietertje, James H. Wallick to H. L. Bronson, Cortland.

Mulvie Countess, Nellie B. Broadhurst to E. A. Powell, Syracuse.

Nancy Pledge Princess, C. C. Bush to John Frost, Munnsville.

Nancy Welsrijp De Kol, C. C. Bush to Jay Brown, Munnsville.

Nazli Beryl Wayne, L. J. Fitzgerald to C. A. Kelsey, Porterville.

Netherland Aaggie Sprig 2d, Jay C. Weeks to L. C. Coleman, Tioga Center.

Netherland Weeks Anna 3d, Jay C. Weeks to L. C. Coleman, Tioga Center.

Nettie Ophelia, James Eglin to Henry Lacy, Syracuse.

Roxy Pietertje Spofford 2d, T. A. Mitchell to H. W. S. Knox, Canton.

Wild Nancy Pledge, C. C. Bush to Jay Brown, Munnsville.

Zozo De Kol Clothilde 3d, Read Bros. to Mrs. John P. Smith, Hinckley.

OHIO.

Bertjusca of Prague 4th T. D. Phelon to Esther A. Horr, Wellington.

Dalzell Mercedes, L. E. Bedford to F. P. Sutliff, Wellington.

Diona 2d's Maachen De Kol, F. M. Harman to J. W. Wise, New Berlin.

Grietje Schuiling, J. J. F. McCullough to C. T. Harner, Trebeins.

Hattie De Kol Colantha, P. W. Merriman to N. E. Shanower, Burton.

Hilda Mechthilde, J. J. F. McCullough & Sons to C. T. Harner, Trebeins.

Ila Gerben, John C. McCullough to C. T. Harner, Trebeins.

Jessie Gerben, J. J. F. McCullough & Sons to C. T. Harner, Trebeins.

Lucila Olive Wayne De Kol, C. W. Bidwell to J. A. Watson, Youngstown.

Saapke 4th's Birmingham, O. S. Burt to James Eglin, Spencer.

Verbelle Clothilde Tritomia, L. E. Bedford to F. P. Sutliff, Wellington.

ONTARIO.

Aaggie Bewunde Posch, Belle Dewdrop, Emma Wayne, Houwtjemana; Geo. Rice to Edmund Laidlaw, Aylmer.

Daisy Belle Abbekerk Fenella May, Maida Netherland De Kol, Quo Vadis, Trixie Belle; Edgar Collier to W. M. Pearce, Tillsonburg.

Adelaide Brook De Kol, Geo. Rice to Ont. Agricultural College, Guelph.

Boutsje Q. Pietertje De Kol, Geo. Rice to Ontario Agricultural College, Guelph.

Eunice Clay Agnes, Geo. Rice to M. H. Haley, Springford.

PENNSYLVANIA.

Daisy Winkje De Kol, Mechthilde Black Beauty Kate, Muzzy De Kol Mechthilde, Queen of Spring Hill De Kol, Queen Winkje De Kol, Winkje Pauline De Kol; G. N. Phillips to Mrs. W. F. Norris, Dimock.

Bonibel 3d, H. L. Bronson to W. T. Vernon, Sharpsville.

Shadeland Frances, W. H. Seward to Powell Brothers, Shadeland.

Shadeland Frederica, W. H. Seward to Powell Brothers, Shadeland.

VERMONT.

Jannek Korndyke Lima, Korndyke Queen De Kol Lady, Valley Farm Pansy; Jarvis Bros. to S. D. Nichols, Lyndon Center.

Aaggie Trijnte Clothilde, Ernest Hitchcock to M. L. Thomas, Rutland.

Adrienne Artis De Kol, F. L. Houghton to W. H. Stowe, and from W. H. Stowe to A. & R. C. Ingraham, Guilford Center.

Beryl Wayne Artis De Kol, Geo. J. Lenton to Brattleboro Retreat Farm, Brattleboro.

Cornucopia Clothilde, F. P. Knowles to O. E Williams, Newport Center.

Elderberry De Kol, Ernest Hitchcock to M. L. Thomas, Rutland.

Pel Indulge De Kol 2d, Brattleboro Retreat Farm to Geo. J. Lenton, Passumpsic.

WISCONSIN.

Careme Johanna Melchior, Lulu Hartog De Kol, Mechthilde of Beechwood, Queen De Kol Piebe, Wisconsin Bess 4th; E. T. Carroll to O. E. Williams, Delafield.

Rogersville May Netherland, B. Sommerfield to J. F. Burback, Cambria.

BULLS.

DELAWARE.

Bonibel Concordia Paul, H. L. Bronson to John Nivin, Newark.

INDIANA.

Netherland Vashti Hero, C. M. Bottema to Theodore Johnston, Sheridan.

IOWA.

Sir Korndyke, Wisconsin Live Stock Association to H. H. Griffen, Albia.

KANSAS.

Soldene Baker De Kol, B. F. Cook to D. A. White, Winchester.

MAINE.

Count Ben De Kol, W. W. Dunham to S. G. Barrett, Barrett.

MASSACHUSETTS.

Crumple Grafton Prince, E. L. Houghton to Henry B. Dean, Rutland.

De Kol Sir Beryl Wayne, Fred F. Field to H. W. Carter, Millbury.

Sir Hengerveld De Kol Clothilde, E. W. Winsor to C. P. Peck, Shelburne.

Sir William Beets De Kol, Fred F. Field to H. C. Gardner, Whitman.

MICHIGAN.

Glossy Rose Calamity Paul, F. W. Munson to D. M. Beckwith, Howell.

Minorie Paul De Kol, A. J. Richardson to D. M. Dickinson, Detroit.

Sir Johanna Nig, A. A. Cortelyou to F. W. Munson, Howell.

MINNESOTA.

Kaan Clothilde Duke, C. H. Morse to John B. Irwin, Minneapolis.

Reinschje Beauty De Kol Prince, U. L. Lashbrook to Aug. Schultz, Northfield.

Sir Jewel of Elmwood, U. L. Lshbrook to Geo. E. Larkin, Northfield.

Sir Skylark Johanna 2d, Geo. F. Comings to Herbert C. Von Wald, Nerstrand.

MISSOURI.

Wayne Sir Mechthilde, B. L. Bean to J. M. Sallee, Bethany.

NEBRASKA.

Gerben Barrington De Kol, John C. Doubt to Jos. H. Ruliffson, Lincoln.

NEW HAMPSHIRE.

Concord Paul, Mass. Agricultural College to Alvin W. Fitts, Hanover Center.

"Do It Now" Abe Lincoln, D. H. Goodell to W. F. Stearns, Rindge.

NEW YORK.

Aaggie Cornucopia Pauline Somerset, H. L. Bronson to H. H. Cobb, Pierrepont Manor.

Adelbert Soldene, T. A. Mitchell to Harvey Conner, Avoca.

Alban Burke, Mrs. J. P. Smith to W. E. Pugh, Remsen.

Beryl Wayne De Kol Paul B., H. H. Wickwire to James P. Brown, Norwich.

Butter Boy Fleet Nora, G. H. Fleetham to Samuel Fieldson, DePeyster.

Clothilde De Kol Burke, Read Bros. to Mrs. J. P. Smith, Hinckley.

Clothilde De Kol Burke 2d, Mrs. J. P. Smith to W. Williams, Remsen.

Clothilde Hengerveld Burke, T. A. Mitchell to J. E. Fuller, Seneca Falls.

Coral De Kol Beryl Wayne, H. L. Bronson to Geo. A. Abbott, Cuyler.

De Kol Piebe Burke Hengerveld, T. A. Mitchell to H. H. Lindsley, Martville.

Empire Pietertje Aaggie Duke, R. B. McGregor to Horace Allen, Hammond.

Helene Favorite De Kol Prince, Bacon & Higgins to Lester Timmerman, Orleans Four Corners.

Hiske Jewel Prince, Seeber & Phalen to E. J. Bowdish, Cortland.

King De Kol of Woodside, Arthur J. Richardson to B. Pelton, Perrysburg.

Lord De Kol Butter Boy, Simmons & Whiting to F. C. Whiting, Busti.

Mercedes Aaggie De Kol, H. L. Bronson to Edw. Leach, Blodgett Mills.

Mercedes De Kol Paul Aaggie, H. B. Lauber to F. B. Lauber, Dairyland.

Netherland Prince of Wallkill, S. J. Fleming to Dewitt G. Crowell, Wallkill.

Pietertje Hengerveld Mooie Est. of C. Hiscock to Edw. Kimber, Dewitt.

Pietertje Lilith Count, N. F. Sholes to Frank Fear, and from Frank Fear to Thos. Williams, Holland Patent.

Pledge Aaggie Mikota, P. M. Brown to C. C. Bush, Munnsville.

Prince Clothilde Beets Wayne, S. R. & J. B. Jones to Thomas T. Williams, Holland Patent.

Prince Cornucopia Netherland, H. L. Bronson to E. G. Persons, East Elma.

Royal Paul De Kol King, A. L. Draper to Chas. Ashdown, Ballston Lake.

Sir Aaggie De Kol Duke, Fred P. Simmons to O. D. Mitchell, Jamestown.

NORTH DAKOTA.

Mercedes Pride, Levi French to Wm. Pewe, McHenry.

OHIO.

Deerfield Canary De Kol, C. W. Bidwell to J. A. Watson, Youngstown.

Paul De Kol of Royalton, W H. Standish to C. P. Grisier, Wauseon.

Sir Calamity Posch, Knapp & Pierce to E. H. Wait, Streetsboro.

PENNSYLVANIA.

De Kol Prince Beauty, A. F. Siegfried to C. W. Hoppe, Hopbottom.

Johanna Eeke Lad, A. F. Siegfried to J. Mullinex, Waverly.

Maplecroft Paul De Kol 2d, W. W. Cheney to W. N. Smith, Millerton.

Palladin Concordia Von Holingen, Edw. W. Twaddell to Trustees of House of Refuge, Glen Mills.

Prince Edward De Kol, Edgar W. Moore to Guy O. Mickle, Millers Station.

Sir Jetta Cornucopia De Kol, W. W. Phillips & Son to J. H. Alcorn, Waterford.

Veeman Mercedes Lad, H. L. Bronson to W. T. Vernon, Sharpsville.

VERMONT.

Agnes Lucelia Beauty Echo, H. Merle Bottum to W. C. Mason, Pawlet.

Agnes Lucella Beauty Echo, W. C. Mason to Will Landry, Poultney.

Prince Alban De Kol Clothilde 2d, John A. Mead to Frank Gorham, West Rutland.

Sir Hibma De Kol, Brattleboro Retreat Farm to M. W. Chapman, North Williston.

WISCONSIN.

Gem Rigtje Bloomer De Kol, M. T. Allen to J. A. Warren, Bloomer.

Korndyke De Kol Bryonia, H. L. Weber to A. L. Williams, and from A. L. Williams to John Hermz, West De Pere.

Sir Beinmkeje Harvey, Herbert Ireland to Oscar Jenson, Oconomowoc.

Sir Korndyke Pietertje, Fred E. Harriman to Wis. Live Stock Association, and from Wis. Live Stock Association to John W. Raven, Bloomer.

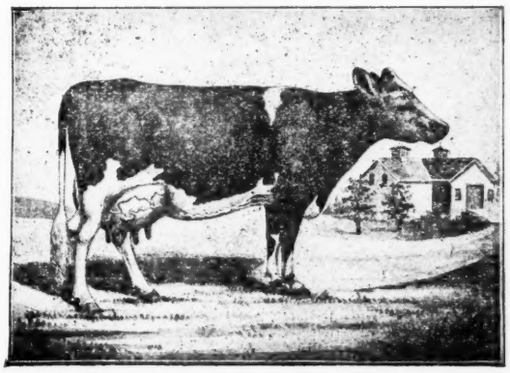
Sir Mercedes Mutual De Kol, Dr. S. Edwards to H. L. Hill, Waupun.

Sir Netherland Johanna, C. A. Schroeder to James L. Ogle, Waldo.

GREENWOOD HERD SCORES AGAIN.

With two more dughters to the credit of "Katy Spofford Corona's Son" he now has 10 A. R. O. daughters at an average age of two years and twenty-six days.

The Leading Families



KATY SPOFFORD CORONA.
Holds a WORLD'S record that has stood the test for 5 years.

No Other Sire living or dead, at his age, ever had **ten** daughters in the Advanced Registry, and of so high a quality. Nos. 1 and 10 average 340.97 lbs. milk, 14,23 lbs. butter in 5 days. A full-age cow in this herd has just closed an official test in which she produced 637.2 lbs. milk, 25.17 lbs. butter in 7 days; 2,671 lbs. milk, 102.67 lbs. 80 per cent. butter in 30 days; best day's milk 100.5 lbs.

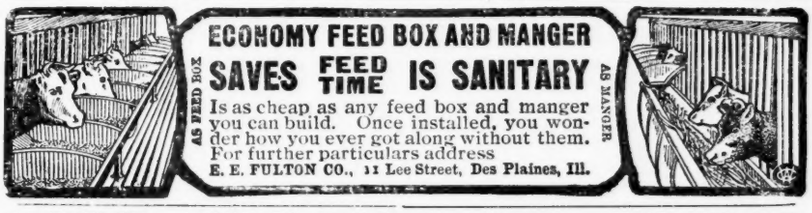
12 cows with official record that average over **20** lbs. butter in 7 days.

9 bull calves and service bulls from these 12 cows to offer our customers. Animals that are fit to head the best herds in AMERICA. Write to headquarters for anything you want in

First-Class Stock.

Low prices for quality and honest dealing with every customer.

E. H. KNAPP & SON, Fabius, N. Y.



LORD NETHERLAND DE KOL

Sire of 42 A. R. O. Daughters, many of which average 4 per cent. and over, a fact worth considering. High-class Stock Always for Sale. ∴ ∴ ∴

Brill Farm, - - Poughquag, N. Y.

Two Purebred Holstein Bull Calves For Sale

From dams that have good official records, and that won prizes at Cortland Co Fair also New York State Fair. The calves have 2 sisters with official records that average 17.4 lbs. butter in 7 days, 63 lbs. milk in 1 day at 2 yrs. and 4 months, another sister won first prize and sweep stakes over all at N. Y. State Fair. M. S. NYE, PREBLE, N. Y.

In writing advertisers mention the WORLD.

HOLSTEIN BULL,

18 mos. old, 25 per cent the blood of the champion cow 34 lb.5.2 oz. Dam a 19 lb. 4-year old. Our Specialty—Choice Stock at Low Prices.

LOCUST HEDGE STOCK FARM, Kirkville, N. Y.

Lakeside Herd.

E. A. POWELL, successor to Smiths & Powell Co., Syracuse, N. Y., offers

SPECIAL BARGAINS

on cows and heifers soon to freshen, yearling heifers and heifer calves; also yearling bulls and bull calves by very noted sires and from dams with official butter records of 20 lbs. or more.

A RARE CHANCE. QUICK SALES: SMALL PROFITS.

Going Out of the Bull Business.

we have fed them as long as we will they must go **at Farmers' Prices** Also large producing, fashionably bred cows and heifers at astonishingly low prices.

RIVENBURGH BROS.,
Hillhurst Farm,
Oneida, N. Y.

Springdale Herd

Offers a grand lot of cows and heifers bred to **Sir Johanna Rue DeKol 31387 and Sadie Vale DeKol Mercedes Paul 36160** at bargain prices. Also a fine lot of bull and heifer calves. We are over stocked and must sell at once. Write today stating wants.

H. M. LYON & SONS,
WYALUSING, PA.

HILLCREST FARM.

Butter Bred Holsteins,

Home of HERRINGEN PAULINE 2nd, A R. O., 25 lbs. 8 oz. 7 days. WISCONSIN BESS, A. R. O., 86 lbs. butter 30 days, test 3.86. Also dam of 3 A. R. O. daughters and of our young bull, WORLD'S FAIR DUKE, who has over 30 A. R. O. sisters, one of them with world's 30-day butter record (test 4.39) at age of 4 1-2 years. HADRIA 2d, 6,700 lbs. milk, 214.8 lbs. butter in 120 days. WORLD'S FAIR HADRIA 1st, prize heifer, St. Louis, 1904; Jolie 4th Pauline De Kol, A. R. O. 19.5 lbs. 7 days, dam of Pauline Paul 2d, Count De Kol, who has 3 A. R. O. daughters. Many other A. R. O. cows. Young bulls for sale.

GEO. C. MOSHER, Bryant Bldg. Kansas City, Mo.

In writing advertisers mention the WORLD.

CHAS. D. PIERCE, PRES., W. C. HUNT, MGR., W. FRANK PIERCE, VICE PRES.

RIVERSIDE HERD 400 WORLD'S FINEST.

Including **World's Champions—Juliana DeKol,** 22 lbs. 9 oz. butter A. R. O. with first calf at 2 years, and her son **Juliana King of Riverside,** Junior champion and head of first prize young herd California State Fair and Lewis & Clark, 1905. *110—A. R. O. butter record cows and heifers in our Herd—110. A few young bulls of Highest producing Qualities for Sale.* San Francisco office 884 James Flood Bldg. Write Now.

PIERCE LAND & STOCK CO., Stockton, Calif.

STAR FARM HOLSTEINS.

Largest and Best Herd of Registered Holsteins in the World!

Headed by the Two Greatest Service Bulls in the World, namely:

1st, Aaggie Cornucopia Pauline Count, son of Aaggie Cornucopia Pauline the TODAY WORLD'S CHAMPION BUTTER COW, official butter record for seven days 34.31 lbs. butter.

2d, Mercedes Julip's Pietertje's Paul, son of the 1900 WORLD'S CHAMPION BUTTER COW, official record for seven days 29.34 lbs. butter.

These figures are taken from the records of our National H.-F. Association and cannot be controverted.

Star Farm Holsteins also test higher in butter fat than those of any other herd in the world. For the past year, 1905 the milk from this immense herd of registered Holsteins has averaged from **4 per cent butter fat to 4.2 per cent butter fat** as certified by the Standard Butter Company.

I have for sale over 300 head of registered Holsteins. Prices are reasonable. There is no dead stock in this herd. It is not a fag end lot, the cows are young and in their prime.

Special sale of service bulls, ready for immediate use, at $75 per head.

Circulars sent free on application.

HORACE L. BRONSON,

Dept. F. Cortland, N. Y.

NEARLY WHITE, STRAIGHT, READY FOR SERVICE

Bull born Nov. 14, '04 No. 39506

Chevalier Manor DeKol No. 29765 — Manor DeKol 21226. Woodland Lass 2d, 43812

Florence Barrington DeKol No. 66980 — DeKol 2d's Paul DeKol, 20735. Weitske Lady Barrington, 35544

FIRST CHECK FOR $65 TAKES HIM

For Further Particulars Write W. L. KEYES, Box 65, Deerfield, N. Y.

BUTTER BRED BULL For Sale

JOHANNA DeKOL SARCASTIC LAD, 28303, son of Grand Champion at St. Louis, from the famous herd of Gillett & Son, who breed for yearly as well as weekly records. Average record of 7 nearest dams 23lbs. 9 oz. A. R. O. Sire, Sarcastic Lad, now head of the University of Illinois herd.

Dam Johanna DeKol, record	7 days	20.3 lbs, 1 year 513.71 fat
G. Dam " Rue	"	22.1 lbs, 1 year 704.55 fat
G. G. Dam" 5th	"	20.1 lbs,
Dam of Sire, Bell Sarcastic	"	20.34 lbs, 1 year 721.68 fat
G. Dam of Sir. Rosa Bonheur, 5th	"	25.58 lbs, 1 year 469.54 fat

He has three sisters in the list :

Johanna DeKol 2d, record 24.5 lbs, at 4 years
" " 3d, " 18.6 lbs, at 3 years
" " 5th, " 12 lbs, at 1 yaars

Four of his nearest dams average 602.3 lbs. of butter fat for the year. He was dropped Oct. 31, 1900. Weight 2200 lbs. Quick, active and sure, and can serve a 2-year-old heifer. He is very gentle, broke like an ox, can handle him easy, loose in yard, with a whip. He is a very fine pattern of a dairy bull, and his calves are fine slick ones, and great sellers. I have used this bull on my herd for the past 4 years, and now offer him for sale, to avoid inbreeding, at less than he cost me at 6 wks. old, See cut on first page.

VALLEY VIEW FARM, - - - SHELBURNE, MASS.

C. P. PECK, Proprietor.

A rule of the H.-F. Association provides that owners are limited to three prizes for A. R. O. records made during the official year, both in 7-day and 30-day tests. In other words, the highest number of prizes it is possible for any breeder to win, is six.

By reference to the latest annual report of the Superintendent of Advanced Registry, it will be seen that of the six prizes awarded Brookside Herd, every one was a first prize; and among the members of this herd that were debarred, by the rule, from winning any prize, were three whose records, in their respective classes, were the largest made during the year, including the World's Champion two-year-old, Pontiac Columbo, whose record of 19.46 lbs. (80 per cent) butter in 7 days, is the largest ever made by a heifer under 2½ years old.

For the first time in the history of the H.-F. Association of America, six First Prizes are won by a single herd in one year; and because six is the limit, a World's Record heifer in the same herd fail to win any prize at all; while two other members of the herd are also debarred from first prize by the rule of limitation.

If awards had been made without restriction as to the number of prizes that could be won by any one herd, and in accordance with the size of the records made during the year, members of BROOKSIDE HERD would have won nine first prizes.

BROOKSIDE HERD numbers 350 head; farms at Lacona and Liverpool (near Syracuse). If you are at all interested in good cattle, we should be pleased to hear from you.

THE STEVENS BROTHERS-HASTINGS CO,

Lacona, Oswego Co., N. Y.